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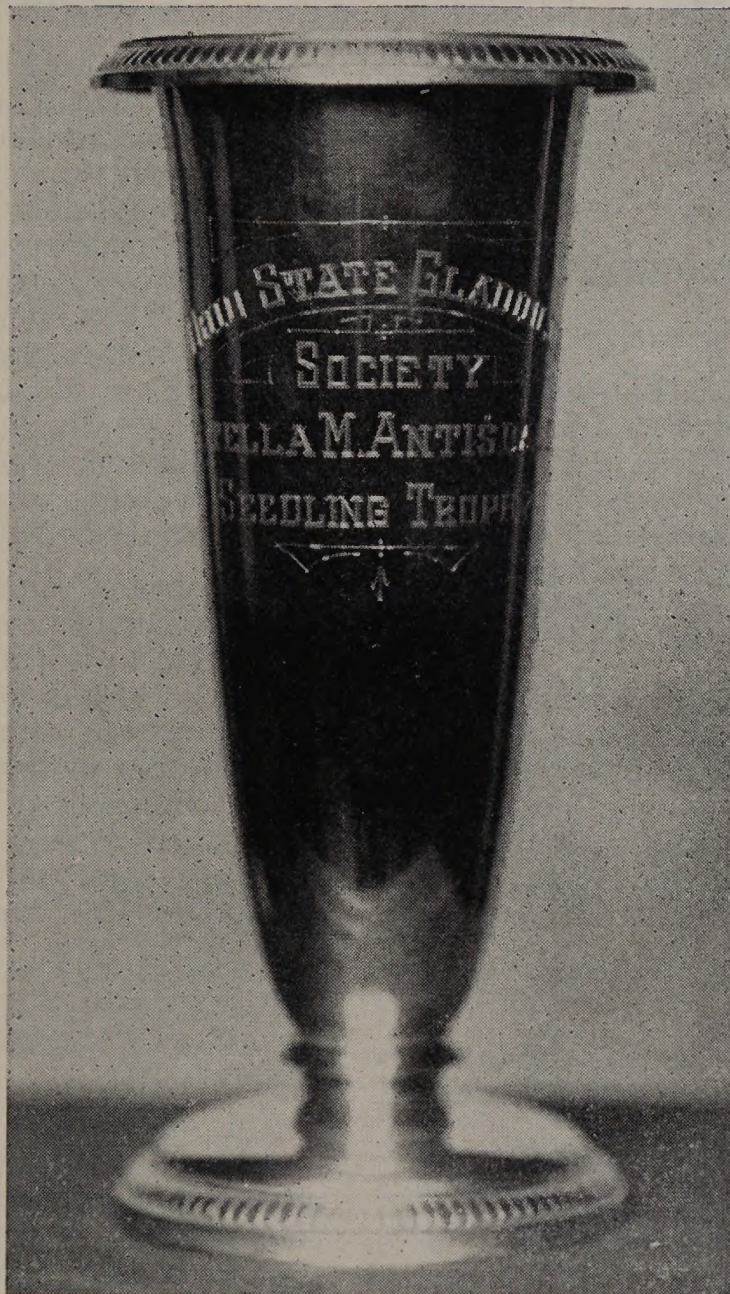
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The Gladiolus Fancier's Guide Book

1940



*Stella Antisdale
Sterling Silver Seedling Trophy*

INTRODUCTORY

A GAIN, this booklet is planned for you. It adopts your point of view. It gives you hitherto unpublished facts upon which to base your own conclusions. It is not cluttered up with fictitious values.

A small portion of the information in this booklet is repeated from last year. In such instances, the data is still so valuable that we cannot possibly leave it out.

Of course, all information concerning prize winnings, voting symposiums, newly recommended formulas for bulb disease and thrips prevention is brought right up-to-date.

New matter begins on the next page.

SYMPOSIUM RATINGS

This copyrighted booklet again contains the principal current Symposiums. This with the special permission of the Canadian Gladiolus Society and the New England Gladiolus Society, copyright owners.

BEHIND US—EXPERIENCE

Twelve years of informative cataloging.

About five years each as Executive Chairman of the American Gladiolus Society and the Ohio State Gladiolus Society, with general duties of determining editorial policy, negotiating, drafting and executing show contracts, improving variety classification, devising scoring methods, now used with minor variations about the world.

Ten years of competitive exhibiting of blooms in A.G.S., Ohio, and other state and regional shows. Beaten but once on commercial display and consistently unbeatable for point accumulation in the three spike, competitive color classes. Usually Achievement Award for most points in the Commercial Division.

Nine years of importing the finest varieties offered overseas.

Never licked by the thrips, thanks to corrosive sublimate, ethylene dichloride and Rototox.

Member of practically every Gladiolus Society in the world with publications in English.

Thus we keep abreast of the times and it is small wonder that, as the Symposium lists change every couple years, we have already been cataloging almost all of them years before they attained their peak of popularity.

We take no special credit for growing a variety better than the other fellow. In fact, most of our show exhibiting amateur customers grow any variety they buy of us better than we. Rather, we win in the shows because we have the cream of the latest introductions from all parts of the world. Selection of the right ones for you to purchase be the ultimate aim of our experience.

Likewise, it is our aim to aid our customers both amateur and commercial, in the saving of unnecessary expense and experimentation. Skill and care alone will not make plants yield rich and abundant flowers. The varieties must be inherently capable of it and the bulbs healthy and the plants insect pest free to permit their best performance. Printers' ink can do a lot but it cannot make a good variety out of a poor one.

A WORD TO THE WISE

Disappointment can be minimized by leaving to the highly trained gladiolus specialist the experimentation and cash investment necessary to try out all the new offerings of the many hybridizers. Those who know the quality of competition in national, state and regional shows in the last few years have come to realize that inferior sorts rarely win. We list only those varieties currently winning first prize awards and, on occasion, a limited few new ones which we have grown and which, in our opinion, are about to take their place in the winning ranks. We have almost no errors to acknowledge.

"Has beens" and varieties that have been kicking around in catalogs for years without being able to win in current major shows are omitted. You do not have to sift them carefully from our offerings. We have tried to lead you out of the usual labyrinth of a listing of hundreds of varieties where it would be next to hopeless to differentiate the best from the commonplace. By our method of listing the latter are automatically sifted out.

We have no knowledge of the existence of any other gladiolus catalog in the world that even closely approaches so exclusive a list of prize-winners.

Also, it is well to leave to the federal, state and university entomologists, pathologists and to gladiolus specialists cooperating with them, the determination of best usages for the control of insect pests and bulb and plant diseases. Experimentation by others with poisons, poisonous gases and with insecticides, the component parts of which are not understood by the user, and with unapproved methods of fertilization, usually leads to trouble.

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LAST PUBLISHED SYMPOSIUM RATINGS

(With special permission of the Canadian Gladiolus Society and the New England Gladiolus Society, copyright owners.)

The Canadian Gladiolus Society Symposium, with participation limited to about ninety ranking growers and amateurs, classifies about 600 leading varieties "A" for excellent, "B" good, "C" fair, "D" discard.

As this booklet goes to press the 1939 C.G.S. Symposium due date for returns has not expired, so tabulation has not yet been made. If interested in securing same when published, see our gladiolus society page, inside back cover hereof.

The New England Gladiolus Society Symposium for 1939 was a series of popularity contests each devoted to a single color classification. The Symposium below is based on the percentage of total votes cast. Commonly, popular vote symposiums are about two years behind the expert type in arriving to about the same conclusions.

The new faces in these lists are in italics. You may notice we have been closely anticipating the symposiums in our offerings for many years past. Undoubtedly our customers know this. And we are also offering now quite a number of varieties you will find appearing in the next symposiums two hears hence. The % of "A" votes is based on a minimum of 20% of the voters reporting on the particular variety. Three other varieties, namely Matterhorn, Amrita and Camellia, secured a 100% vote but with only 12 able to report on them.

Canadian G. S. 1938			New England G. S. 1939		
Rank	Variety	% of "A" Votes	Rank	Variety	
1	<i>Rewi Fallu</i>	100.00	1	Picardy	
2	Picardy	97.30	2	Minuet	
3	Star of Bethlehem	95.36	3	Maid of Orleans	
4	<i>Beacon</i>	93.20	4	Commander Koehl	
5	<i>Southport</i>	89.44	5	Vagabond Prince	
6	Minuet	89.28	6	Pelegrina	
7	<i>Blue Beauty</i>	86.26	7	Mother Machree	
8	<i>Vagabond Prince</i>	86.24	8	<i>Shirley Temple</i>	
9	<i>Allegro</i>	84.84	9	<i>Charles Dickens</i>	
10	Rosemarie Pfitzer	84.15	10	Bagdad	
11	Bagdad	83.64	11	Golden Goddess	
12	<i>Jalna</i>	83.22	12	Rewi Fallu	
13	Commander Koehl	81.78	13	Star of Bethlehem	
14	Tip Top	81.51	14	Debonair	
15	Maid of Orleans	80.64	15	<i>Bit o' Heaven</i>	
16	<i>Isola Bella</i>	79.35	16	Beacon	
17	Johann S. Bach	79.12	17	King Arthur	
18	<i>Euides</i>	77.90	18	<i>Black Opal</i>	
19	Mother Machree	77.20	19	Golden Chimes	
20	<i>Bit o' Heaven</i>	76.67	20	Dr. F. E. Bennett	
21	Golden Chimes	76.27	21	<i>Peggy Lou</i>	
22	<i>Okarina</i>	75.00	22	Blue Admiral	
23	<i>Zauberflote</i>	74.88	23	Rosemarie Pfitzer	
24	<i>Arabella</i>	74.00	24	Tip Top	
25	Charles Dickens	73.67	25	Wurtembergia	
26	<i>Heiligtum</i>	71.45	26	Mary Elizabeth	
27	<i>Sahara</i>	70.84	27	Takina	
28	Miss New Zealand	70.52	28	<i>Dr. Hoeg</i>	
29	<i>Gertrude Swenson</i>	69.12	29	Phyllis McQuiston	
30	Red Lory	67.76	30	Bill Sowden	
31	<i>Ninth Symphony</i>	66.66	31	Betty Nuthall	
32	Golden Goddess	66.36	32	Marmora	
33	Marmora	66.15	33	Milford	
34	Blue Admiral	64.38	34	Margaret Fulton	
35	<i>Green Light</i>	64.00	35	Brightside	
36	Betty Nuthall	63.96	36	Red Phipps	
37	<i>Milford</i>	63.71	37	<i>Morocco</i>	
38	Salbach's Orchid	63.44	38	New Era	
39	<i>Rudolf Serkin</i>	62.55	39	<i>Jalna</i>	
40	<i>Royal Gold</i>	59.94	40	J. S. Bach	
41	Reverie	59.52	41	<i>Barcarole</i>	
42	Guardaman	59.40	42	<i>King Lear</i>	
43	Pirate	59.20	43	<i>Rima</i>	
44	<i>Max Reger</i>	58.48	44	<i>Zuni</i>	
45	<i>Irene</i>	56.61	45	Wasaga	

46	Mary Elizabeth.....	56.00	46	F. J. McCoy
47	Maunga.....	55.86	47	Blue Beauty
48	Mrs. Anna Pfitzer.....	54.74	48	Duna
49	Takina.....	54.68	49	Flaming Meteor
50	Duna.....	54.60	50	Ave Maria
			51	Amador
			52	Sonatine
			53	Regent

TOP AND 2nd RATING VARIETIES IN ADOPTED COLOR CLASSES OF

Canadian G. S.		New England G. S.	
White and Creamy W.....	Star of Bethlehem Maid of Orleans	White.....	Maid of Orleans Star of Bethlehem
Blush White.....	Rosemarie Pfitzer Camellia	Cream.....	Shirley Temple Mary Elizabeth
Light Yellow.....	Golden Chimes Pimate	Light Pink.....	Debonair Rosemarie Pfitzer
Deep Yellow.....	Golden Goddess Gate of Heaven	Light Yellow.....	Golden Chimes Golden Cup
Orange to O. Y.....	Bit o' Heaven Amrita	Deep Yellow.....	Golden Goddess Gate of Heaven
Light Salmon, Lt. Rose.....	Picardy Miss New Zealand	Buff.....	Wasaga Duna
Sal. O.S. & Re. S.....	Joh. S. Bach Ninth Symphony	Yellow Orange.....	Bit o' Heaven Brightside
Ro. Sal. & Sal. Ro.....	Irene Smiling Maestro	Red Orange.....	J. S. Bach Barcarole
Medium & Deep Rose.....	Southport Pirate	Salmon Pink.....	Picardy Betty Nuthall
Scarlet & Light Red.....	Tip Top Red Lory	Deep Pink.....	Peggy Lou Phyllis McQuiston
Red, Crimson & Dk. Red.....	Rewi Fallu Commander Koehl	Light Rose.....	Rima
Maroon & Black Red.....	Arabella Moorish King	Deep Rose.....	Red Lory
Light Mauve, etc.....	Minuet Isola Bella	Scarlet.....	Beacon Dr. F. E. Bennett
Med. & Deep Mauve, etc.....	Gertrude Swenson Takina	Red.....	Commander Koehl Rewi Fallu
Purple.....	Charles Dickens Paul Pfitzer	Dark Red.....	Black Opal Dr. Hoeg
Light Violet.....	Blue Beauty Allegro	Light Lavender.....	Minuet Isola Bella
Med. & Dark Violet.....	Blue Admiral Rudolf Serkin	Dark Lavender.....	King Arthur Gertrude Swenson
Smoky, etc.....	Bagdad Jalna	Purple.....	Charles Dickens Takina
Pk. ++ Cre. or Y.....	Beacon Betty Nuthall	Lt. Violet.....	Milford Blue Beauty
Lt. Colors + Dk. Blotch.....	Zauberflote Bleeding Heart	Dk. Violet.....	Pelegrina Blue Admiral
Any other color.....	Vagabond Prince	Smoky.....	Mother Machree Bagdad
		Any other color.....	Vagabond Prince

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.
Blts any amount at rate offered. Delivered Prepaid in U. S.

Note: In N.E.G.S. list we have subdivided some colors and we moved Rosemarie Pfitzer from second cream to second light pink classification, where we feel that it should classify. This moved Mary Elizabeth up to second cream and demoted New Era from second light pink. Likewise, Takina moved back to purple, demoting King Lear.

Note that Matterhorn, though leading Star of Bethlehem and Maid of Orleans with 100% "A" votes, is omitted because it polled less than 20% of the total votes.

OHIO SYMPOSIUM

(Taken by votes of visitors to the 1939 show.)

1 Peggy Lou	9 King of Hearts
2 Vagabond Prince	10 Margaret Beaton
3 Picardy	11 Beautiful Ohio
4 Rewi Fallu	12 Maid of Orleans
5 Shirley Temple	13 Commander Koehl
6 Barcelona	14 Bagdad
7 Mac	15 Miss New Zealand
8 Beacon	

This tabulation is carried down to a 10 vote minimum. The symposium not only symbolizes the success of Peggy Lou, of which there were many blooms present of grand championship caliber, but also is a feather in the cap of King of Hearts inasmuch as there was but one spike of it (ours) in the show.

GRAND CHAMPION BLOOMS

The Grand Champion Bloom of the Show is, ipso facto, a sweepstakes award to the best spike in the Exhibition, wherever found. A mere class calling for specific entry there of blooms, the best of which is to be labeled "Champion spike", is plain bunk and publicizing such a mere class winner as the "Grand Champion" is very misinforming.

Some (not many) hybridizers and catalogers are very loose in their use of the words "Winners," "Champions," etc. For your own protection, scrutinize these assertions closely and see if the winning is identified to time and place. An honest introducer of new varieties will be reasonably sure to specify rather than generalize or use language intended to deceive.

In recent years a few of the larger shows have provision for Com'l. Div. Champions in the Exh., Dec. and Sm. Dec. types, repeating the 3 champions in the Advanced Amateur Div. Topping off these, some shows make further provision for Grand Champion Bloom of the Show. Some shows, notably the Ohio and Mahoning, have provision for Grand Champion Seedling Bloom.

We search the world for winners. We disclose authentic Champions. If we have missed any, will hybridizers advise us to their advantage?

Grand Champions in major shows about the world inside the last nine years follow:

Aladdin—Ind., '38. Yakima and Winnipeg, '39.

Bagdad—Quebec. G. S., '35, Yakima, '38, Pa., '39.

Beacon—Wash., '38. Wellsville, O., '39.

Betty Nuthall—San Leandro, '31. Utah, '35.

Blue Beauty—Haarlem, '36.

Canberra—Wash., '34.

Colossus—Metro., '39.

Commander Koehl—Wash., '32. East Bay, '35., Regina, '38.

Coryphee—Wash., '33.

Crystal—So. Australia G. S., '37.

D. A. Hay—Winnipeg, '32.

Dazzler—Ohio, '38.

Del Ray—Ill., '38.

Fairy Tale—Haarlem, '31.

Flagship—C. G. S., '39.

Frank J. McCoy—A.G.S., '34; Ill., '35; Ohio, '35; N.E.G.S., '35, '36, '37; Metro (NYC), '36, C.G.S., Ames and Sioux City, '38; Conn. '39.

Heritage—Wisc., '34, Grants Pass, '37, '39.

Joh. S. Bach—Vancouver, '35, Wash., '37.

Jubilee—Ohio, '37.

King Midas—Blue Ridge G. S. (Md.), '39.

Lord Selkirk—Minn., '38, '39.

Lucifer—R.H.S., So. Australia, '35.

Luminosa—Utah (1st show), '39.

Maid of Orleans—Mah. G.S., '36.

Margaret Fulton—Pa., '36.

Marguerite—Wash., '39.

Maunga—Miramar, N. Z., '34.

Maxwellton—Algona, '39.

Melrose—Melbourne, '39.

Mildred Louise—Ohio, '33.

Minuet—Iowa G.S., '35, '37, Ind. G.S. '37.

Miss New Zealand—Marlborough H. S., '32, '33; Ballarat, '35; Dunedin, '35; N.Z.G. S. '36; Calgary (Aug. Show), '37; Minn., '37. Sioux City, Omaru, N. Z., Launceston, Tas. (shown with 12 open and N.Z.G.S. (2nd day), all '39.

Mother Machree—Ohio, '32; Conn., '35; Ill., '36.

Mr. Fred'k. Christ—Ohio Fair, '32, Ballarat, '32.

Mr. W. H. Phipps—Ill., '32; N. E. G. S., '34; Grant's Pass, '36.

Mrs. Robert Nash—N.Z.G.S., '37.

Mrs. G. G. Errey—Glad. Sec. of R.H.S. of N.S.W., '37; Hobart (Tas.) and Malvern (Vic.), '39.

Myrna—Md., '39.

New Zealand Splendor—Lyttleton, N. Z., '39.

Our Selection—Ballart (2nd show), '32; Malvern, '35; Cedar Rapids (Ia.), '37; Canterbury (Vic.) and Sandringham (Vic.), '39.

Pacemaker—Mah. (2nd show), '39.

Peggy Lou—Mah. G.S., '37, '38, N.E.G.S. Brockton, East Bay and Wellsville, '38. Mah. (1st show) and Mich., '39.

Pfitzer's Masterpiece—Calgary (1st show), '39.

Picardy—C. G. S., '32, '34, '35, '36; Calgary, '34, '35; A.G.S., '35, '36, '37; Empire S. G. S., (N. Y.), '35, '36; Port Arthur, '35; Minn., '35; Winnipeg, '33, '36; Conn., '36, Metro., Mid-South, Ill., Md., Pa., Sunnyside (Yakima Valley G. S.), Hamilton (Ont.) Dist., all '37, N.E.G.S., Wisc., Iowa, Cedar Rapids, 2nd Calgary, all '38. Marion Co. G.S. (Ind.), So. East Mich. G.S., Ames, Mid-South, Wisc. and East Bay, all '39.

Pink Selection—Tasmania (Feb.) '38.

Pirate—Utah, '38.

Pititi—Papanui, '34; Timaru (N. Z.), '39.

Queen Mary—Winnipeg, '34; Seddon (Vic.), '39.

Rapture—Mid-So, '38.

Rangatira—N.Z.G.S. (1st day), '39.

Recovery—Blue Ridge (Md), Marion County (Ind.), '38; Ill., '39.

Red Lory—Wash., '35; East Bay, '36; Auckland, G. S., '36.

Red Phipps—Century of Progress, '33.

Reverie—Utah (2nd show), '39.

Rewi Fallu—Hasting (N. Z.); Wellington (N. Z.), '39.

Rosemarie Pfitzer—Winnipeg, '35; Woolston, '36; C. G. S., '37; Calgary (2nd show), '39.

Rosex—2nd N.E.G.S.—Brockton, '38.

Shirley Temple—Eastern N.Y.G.S., '39.

Southern Command—Dunedin (N. Z.), '39.

St. Edward—Kensington (So. Australia), '37.

Star of Bethlehem—Minn., '36.

Stella Antisdale—Ohio, '39.

Sunnyside—At six shows, Australia, '31; Ballarat, '35 (2nd show); Box Hill (Vic.); Blackburn (Vic.), '39.

Tanui—Christchurch, '33.

Tasman—Nelson (N. Z.), '39.

Tip Top—Peterboro (Ont.) Hort., '36, '37.

Wings of Song—Iowa, '39.

Zuni—Grants Pass, '38.

CHAMPION SEEDLING BLOOMS

Following seedling champions were not merely winners in their classes of certain types. They were champion seedlings, all types competing. Not many Prize Schedules make provision for this competition, it being most popular, apparently, in Ohio, Australia and New Zealand.

Blue Wonder—(E. Both) So. Australia G. S., '35. (Was also runner-up for open grand champion.)

Caroline Werner Gannett (Chamberlain)—E.S.G.S., '37.

Col. Wm. Light (E. Both)—So. Australia G. S., '36.

Crystal (E. Both)—So. Australia G.S., '37.

Fairy Tale (Pfitzer)—Haarlem, '31. (Was also grand champion.)

Frostpink ornatus (Evans)—Mahoning G. S., '33.

Gertrude Swenson (Swenson)—Ballarat, '28, '29. Victoria, '32.

Grand Slam (Salbach)—San Leandro, '32.

Icelander—(Evans)—Ohio, '37.

King William (Schenetsky)—Conn., '37.

Mary Elizabeth (Dr. H. W. Stevens)—N. E. G. S., '30.

Merry Widow (Evans)—Mahoning G. S., '31.

Milford (Rides)—N.Z.G.S. (Canterbury) '34.

New Era (Ellis)—Ohio, '35.

Pacemaker (Evans)—Ohio-Mahoning, '34.

Peggy Lou (Wilson)—Pa. G. S., '37, Mah., '37.

Rawhiti (Julyan)—N. Z. G. S. (Christchurch), '35.

Rewi Fallu (Fallu)—So. Australia G.S., '32.

Stella Antisdale (Evans)—Ohio, '39.

Tunia's Triumph (E. Both)—So. Australia G. S., '34.

Whero (Burns)—Normandy, '33; Wau-ganui, N. Z., '33.

CASH DISCOUNTS

We have adopted an important change of policy with respect to discounts, which we anticipate will be to the advantage of our customers, especially to those placing their orders before March 1st. Please give this subject, explained on page 12 hereof, your close attention.

GLADIOLUS SEED

Last year we stated we would share our hybridized seed with you. That turned out to be a gross understatement as we did not have enough left after filling orders to warrant planting them. Beyond question, growing seed offers unparalleled excitement to the glad fan. Hoping to protect ourselves and still meet the seed demand we greatly increased our hybridizing activities and offer a quality list of seed crosses on page 14.

AT THE SHOWS

It is difficult to appraise the attitude of the reader respecting reception of data relating our personal winnings at shows, or even that of our customers.

From year to year we have been shortening this discussion. Partly because interest centers chiefly upon what variety won rather than upon who won.

Because of the advantage we have with our stocks of the newest varieties, heretofore used in competition with so many of our own customers, we started to minimize our entries in the commercial color spike classes and to devote ourselves mostly to Recent Introductions and Seedling Divisions.

At the **Maryland** state society show at Havre de Grace (404 miles on our speedometer), we won firsts with Star of Bethlehem, Dazzler, Tunia's Triumph, Commander Koehl, Rewi Fallu, Blue Wonder, Mrs. H. B. Ambler, Vela, Iceland, Miss New Zealand, Ohio Non-Pariel (Wilson), Orange Beauty (Gelser) and with Peggy Lou we won in 3 spike, 1 spike open, Basket and Vase of 10 spikes. This vase was Champion vase of the show. Our too good spikes of Star of Bethlehem nosed out our Crystal spikes in the white color class and then nosed out our Peggy Lou winners for selection as champion spike of the section. Being thus excluded from the small group of sectional champions from which all the judges select the grand champion, it bowed to a good spike of Myrna for this distinction. We have no desire to belittle the qualities of Myrna. It can make much better spikes than the one shown, a very fine spike. We also won the Sm. Dec. Seedling section champion with B927 (Wilson), a pretty rose red, lacinated. Also most points in the Exh. spike section.

At the **Michigan** state society show at Bay City we won most points and 16 of 33 blue ribbons awarded in the Recent Introductions section with Crystal, White Triumphant, Iceland, Greta Garbo, Jersey Cream, Myrna, Rita Phillips, Miss America, Rosa Van Lima, Rewi Fallu, Black Opal, Isola Bella, Highland Chief, Blue Wonder, Dr. Verhage and Peggy Lou. The Peggy Lou spike here entered was champion of the section and Grand Champion Bloom of the

Show, winning a Michigan society Silver Medal and the O. P. Stancer Perpetual Challenge Trophy. In the commercial 3 spike exhibition section we won most points, our principal winners being Rosa Van Lima, Peggy Lou, Purple Beauty, Rosalie, Rewi Fallu, Betsy Bob Up, Beacon and Ellen Marie. Our Peggy Lou was top scoring bloom of the show (87.3) followed by Mrs. John Sherwin's Peggy Lou (86 and Reserve Champion—she won 12 firsts, besides), Paul Pletcher's Shirley Temple (85), our Black Opal (85), Mrs. Kinyon's seedling "Wenonah" (83.8), likewise her Rose of Michigan (83) and our Rosa Van Lima (83). Our giant light pink seedling 73619 was winner 1 spike exhibition seedling and our orchid seedling 62997 was the 1 spike dec. seedling winner.

Direct from here we visited the **Canadian** national show at Stratford, Ontario. It was a beautiful show with many magnificent spikes, probably the best show they have had. Among the outstanding winners: Flagship (Butt) was Grand Champion, reminiscent in form to some of the fine champion spikes of Frank J. McCoy we have seen but color a medium shade of red with white throat pencilled blue. It had 11 open 5½-inch diameter florets when we viewed it, with many buds above, a sturdy spike. Several fine spikes of Lord Selkirk, the best having 11 open 5 inch florets, 25 total buds entered by Mr. Flynn. Any number of the most magnificent spikes of Rosemarie Pfitzer, better than we have ever grown—one of them awarded the distinction "Most Beautiful Bloom in the Show." Some fine long spikes of Algonquin with many large florets open but color possibly not equal to that of Regent. 12 wonderful spikes of Beacon by Mr. Butt. A wide open 6 inch orchid rose with cream throat and a quarter inch cream edging by Mr. Coutts. And Mr. Palmer had his usual array of magnificent seedlings.

At the **Ohio** state society show at Akron we won too many prizes again, notwithstanding we made but 5 or 6 entries in the 3 spike color class sections where we have heretofore been accustomed to win most of our points. We assembled 246 points, 52 firsts mostly scattered among the Seedling, Recent Introductions and Arrangements sections. We won: Ohio Silver Medal for our large commercial display having a frontage of 30 feet. Three vases for 3 section Champions with Rosa Van Lima, King of Hearts and Dr. Verhage. The Templin-Bradley Silver Medal for most points in the Recent Introductions section (we won 20 firsts out of 27 firsts awarded). N.E.G.S. Silver Medal for most points in commercial display and basket classes, including best basket with Mac, best floor basket with Peggy Lou, best arrangement with Peggy Lou, best arrangement with another flower with Frostpink and hardy chrysanthemums. We will tell you

later about our 3 spike light pink seedling (7356) entry, since named "Stella Antisdale"—which won 9 separate awards on this one entry, including Champion Seedling, the American Home Achievement Medal, the sterling silver Stella Antisdale Seedling Trophy, Award of Merit and Grand Champion Bloom of the Show. Most ruffled with Frostopink. Nearest blue with Tehema. Best base, 12 spikes orange with Mrs. H. B. Ambler. Several of our seedlings earned their Ohio society Award of Merit as well as Stella Antisdale—our small dec. seedling 62922 now named "Sub Deb", our 83553 (also 3 spike seedling winner at Ind., '38 and pictured in the deluxe edition of the N.E.G.S. 1939 yearbook opposite page 120) and 63447, the ruffled novelty now named "Pinocchio."

We took our Reserve champ spike of King of Hearts home with us after the close of the Ohio show at midnight, Sunday, and we cut several cans of blooms by flashlight (entirely forgetting Peggy Lou!) and started out at once in time to see the last day of the **Empire** state society show at the state fair at Syracuse. Here, as last year, we again filled a large table with samples of recent introductions and a number of imported varieties not yet released. And our spike of King of Hearts, still with its lower floret intact, had eight open florets averaging 7 inches diameter, in perfect condition. The fair officials held over our exhibit for several more days of the fair.

Later we exhibited at the **Mahoning** society (2nd show, Youngstown) where our Pacemaker was Grand Champion.

Late in September we exhibited (gladiolus) at the Mid West Dahlia show at Cleveland.

CANDID COMPARISONS

(at random)

Extensive betterments have come to the aid of some weak color classes, particularly to light colors with pronounced blotch, now remedied by the inclusion of Margaret Beaton, June Bride, Helen of Troy, Sir Galahad, New Zealand Splendor and Candyheart; to light pink substantially unmarked, by Greta Garbo, Pacemaker and Stella Antisdale; to light rose by Rosa Van Lima, Exquisite and Changeable Silk; to deep rose by Harmau; to yellow by Golden Galleon; Sir Galahad and Jim Holland; to orange by Treasury Gold, Pinocchio and Dazzler.

Do you like long, stretchy flowerheads? Here they are, 30 inches or better; Peggy Lou, Picardy, June Bride, Exquisite, St. Edward, Treasury Gold, King of Hearts, The longest of these, Treasury Gold.

With the new giants King of Hearts and Treasury Gold joining Peggy Lou in its attack on Picardy for possible grand champion honors, this is going to be a spectacular contest.

Let us consider the bulk of bloom on a given flowerhead. Say 4 inches diameter and up. Plenty of 4 inch glads. Can it be possible that of two spikes with equal number of open florets, one can have twice the bulk of bloom of the other? Yes, you can imagine that to be possible. But, four times the bulk of bloom? No, impossible you say. Perhaps you counter—A floret just twice the diameter of another couldn't be four times as big. But you are wrong. Let us compare 2 spikes, one with five open 4 inch florets, the other with five open 8 inch florets. Here are the cold facts:

Diameter 4 inches, area 12.57 square inches.

5 inches	19.64
6 inches	28.27
7 inches	38.50
8 inches	50.27

So figure it out for yourself. What's more, a spike with only two open 8 inch florets has as great a bulk of bloom as one with eight open 4 inch florets!

Therefore, let us particularly call your attention to our "Key" (see page 13) use of star * in our variety description to denote size of floret. These are the giants of Glad-dom: Merry Widow, King of Hearts, Crystal, Miss New Zealand, Takina, Tunia's Triumph, Walk Over, California and Helen of Troy. Close on their heels and at times making even bigger flowerheads by holding more open, come Peggy Lou, New Zealand Splendor, Treasury Gold, Aladdin, Hindenburg's Memory, Picardy and others.

Beauty of color harmony. All see this more or less differently. Particularly with odd colors as in Vagabond Prince and Gertrude Swenson. But we would be thoroughly surprised if a single person could fail to enthuse over the color of Treasury Gold, New Zealand Splendor, King of Hearts, Margaret Beaton, Sir Galahad, Changeable Silk, Dazzler, Pinocchio, Manawatu or Rosa Van Lima. Nor is this a complete list of the beauties by any means.

Cut flower growers are keen to buy varieties of which economically purchased number 4 medium bulbs make saleable spikes while being grown into large bulbs. Among the very best performers we have in mind particularly Peggy Lou, Rosa Van Lima, Harmau, Black Opal, Margaret Beaton, Stella Antisdale, Aladdin, Raysheen, Walk Over, Vela, Rosemarie Pfitzer, Mary Elizabeth, Vagabond Prince and Jersey Cream. These are our star performers from medium bulbs, all doing relatively fine from small bulbs, as well.

ANNOUNCEMENT EXTRAORDINARY CONCERNING THE WORLD FAMOUS TUNIA EXHIBITION STRAIN

We are pleased to advise our customers that we have entered into an exclusive arrangement with E. Both, world famous hybridizer of Adelaide, South Australia, whereby we are permitted to purchase stocks of his seedlings intended for introduction, a year before public release. We thus have stocks, grown here two years, fully acclimated and under U. S. release a year before normally possible. Importers, growers and catalogers will readily see the several advantages of such opportunity of purchase.

However, this arrangement is not intended to preclude Mr. Both from selling directly to U. S. customers, as heretofore.

Mr. Both's varieties of recent years have proved sensational, particularly Tunia's Triumph and Crystal.

A year before normal schedule we are offering St. Edward, Dazzler, Exquisite, Old Gold and Harmau. The color of Harmau and Dazzler is supremely outstanding.

PREVIEW OF OUR 1940 INTRODUCTIONS

For prices and further description consult general variety list.

DAZZLER (Both). Exhibition only. If you want supreme color sufficiently to be willing to bring in and open up these spikes away from direct sunlight, this is the variety you have been looking for. Wonderful in every respect except that it fades in strong sunlight.

EXQUISITE (Both). Here we have a real contender with Magna Blanca for the tallest gladiolus. But this one is generally fully self supporting. Large florets of a medium depth of rose pink on a stretchy flowerhead.

GOLDEN GALLEON (Mason). Registered. Here is a light yellow glad with florets considerably larger than commonly found in this color. Hybridized by an amateur. Its great size and height, strong constitution and branch spike making habit warrant its introduction.

HARMAU (Both). Mr. Both must have stored dynamite in the bulblets of this variety. We may be lucky to sell any large or medium bulbs of this after commercial buyers find out what small bulbs and bulblets will do. And the color! Clear, soft, deep orange pink with soft scarlet throat. Will become an outstanding commercial.

OLD GOLD (Both). Tints and shades of light, medium and deep old gold. Real autumn colors.

PINOCCHIO (Evans). Registered. A striking novelty of many vivid colors, harmoniously assembled. An intensely ruffled beauty in the medium sized bloom range. It will some day be known as "the glad with many uses."

ST. EDWARD (Both). A commercial exhibition scarlet, also with a cast iron constitution, able to open immense spikes in the field. Very sorry that our supply, even of large bulbs, is not enough to last out the selling season.

STELLA ANTISDALE (Evans). Registered. Never before and perhaps never again will any seedling amass in any major gladiolus society show nine awards on a single 3 spike entry. A smooth suede finish, light pink blending lighter and creamy in throat. The commercial qualities of this light pink exhibition glad mark it for undoubted popularity when stocks increase. In our search of prize schedules and show reports we find this variety follows in the wake only of Crystal, Fairy Tale and Peggy Lou in accomplishing both seedling championship and grand championship in the same show. Treasury Gold just missed this distinction on a revote to break a tie.

TREASURY GOLD (Wilson). Registered. Another stupendous production by the originator of Peggy Lou. We are co-introducer of this clear, golden beauty. We believe this glad has the stamina as well as the size of Peggy Lou flowerheads. At its show debut, Wellsville, Ohio, '39, three cut spikes were shown towering 60 inches high, 10 open 6 inch blooms, flowerheads 34 inches long. Color, size and commercial qualities of this glad guarantee its future. A good propagator, so the time to buy it is now. Stocks are as yet quite limited and the price is probably placed too low.

"May I take this belated opportunity to thank you for the many extras which you so kindly included in our order of last spring. We won three awards at the Metro. Glad Show. Our glads are greatly admired by all." 8-16-'37. Sister M. A., Maryknoll, N. Y.

"I think your practice of including sample corms of several varieties not ordered is good as it gives the grower a chance to try them out and keeps his interest in the newer sorts very much alive." 4-9-'37. E. G. L., Worthington, Pa.

PREVIEW OF OUR 1940 IMPORT RELEASES

DR. DENTZ (Clingendaal). Another giant floret commercial. Fresh, pure rose. Medium tall. Probably underpriced.

GRETO GARBO (Pfitzer). A knowledge of the complete specifications of this beautiful, very light rose pink (not very far distant from blush white) will unerringly convince you that this is the world famous hybridizer's greatest production to date. We back it without reservation of any kind.

NEW ZEALAND SPLENDOR (Toon). Has not reached the U. S. shows. Too few blooming size bulbs until this second crop, U. S. grown, was dug. A few bulbs, fully acclimated, now available of this New Zealand champion almost 2 years ahead of normal release date. Other than the Both varieties, this is the one chance to buy stocks of a quality import ahead of normal release.

PURPLE BEAUTY (Roozen). We have been searching for years for this glad. A self purple with excellent qualities, both exhibition and commercial, all in the same glad.

ROSA VAN LIMA. At its introductory price this is probably the greatest value to be found in this catalog. Particularly to the cut flower man. Suggest that you take on an assortment of sizes and bulblets and lead the way this year. Others will follow, sooner or later. Watch the florist demand for this bright, light rose pink.

SUMMERWEALTH (Heemskerk). In our hunt for large floret glads with commercial qualities we came upon this one. Darker color than F. J. McCoy, shorter, less open but florets much larger and has a shining color which may induce much admiration.

VELA (Heemskerk). Another fine commercial glad by Heemskerk. Light scarlet, rosy toned, blotched deeper. Tall spikes. Early. With us it is second only to Harmau for free production of blooms from bulblets. Offered cheaply enough to warrant cut flower growers to test out an assortment of sizes and bulblets right now.

SIZE OF BULB TO BUY

If economy be the aim, do not rely on small bulbs to give wholly satisfactory blooms. The small bulbs will all bloom but medium bulbs almost always give far better than "medium" sized spikes of the given variety. Our descriptions usually indicate whether or not the variety is an exceptionally fine producer of blooms from the smaller sizes.

A number of varieties either have come into sufficient world production to warrant low price for large bulbs or bloom so unsatisfactorily from medium size bulbs that, for the protection of our customer, we omit the smaller sizes from our pricing. Likely, we have them if you insist but we recommend only the sizes offered.

Commercially, bulbs are graded into 6 sizes. Size 6 is under $\frac{1}{2}$ inch diameter and other sizes range up every $\frac{1}{4}$ inch, the Number 1 bulb being $1\frac{1}{2}$ inch up. Catalogs commonly offer bulbs as L (large) sizes 1 and 2 ($1\frac{1}{4}$ inch up); M (medium) (sizes 3 and 4) ($\frac{3}{4}$ to $1\frac{1}{4}$ inch); S (small) (sizes 5 and 6) ($\frac{1}{4}$ to $\frac{3}{4}$ inch) and Blts (bulblets, the little hard shelled cormels which cling at the roots of the bulb).

For the most part we deliver number 1 for L, number 3 for M and Number 5 for S. Tiny bulblets are screened out and where they are priced per each they are selected as large as they run. Moreover, except on large quantity orders, we prefer to supply No. 2L for M rather than No. 4 and to supply No. 4M for S rather than No. 6. This applies particularly to early orders and to expensive item orders.

The size (bulk) of bulb you purchase determines the amount of food with which you are starting to produce a given spike. Below is a table giving the cubic inch of food content of the various sizes, figured at a diameter average for the given size, i.e., half way between its maximum and minimum size:

No. 6, up to $\frac{1}{2}$ in., aver. $\frac{3}{8}$, .027 cu. in.
No. 5, $\frac{1}{2}$ to $\frac{3}{4}$ in., aver. $\frac{5}{8}$, .127 cu. in.
No. 4, $\frac{3}{4}$ to 1 in., aver. $\frac{7}{8}$, .350 cu. in.
No. 3, 1 to $1\frac{1}{4}$ in., aver. $1\frac{1}{8}$, .745 cu. in.
No. 2, $1\frac{1}{4}$ to $1\frac{1}{2}$ in., aver. $1\frac{3}{8}$, 1.361 cu. in.
No. 1, $1\frac{1}{2}$ up, aver. $1\frac{5}{8}$, 2.247 cu. in.
2 in. up Jumbo, aver. $2\frac{1}{8}$, 5.021 cu. in.

Note, curiously enough, that the big differences are between sizes No. 5 and No. 6 and between Number 1 and Jumbos which really average more than $2\frac{1}{8}$ inches. Normally, it is not until a bulb reaches large size that it loses its spherical form. A 3 in. Jumbo bulb may approximate a half sphere but such a bulb would contain 7.07 cu. in., about 5 times the food bulb of a No. 2 large bulb.

YOUNG JUMBO BULBS

These young jumbo bulbs are 2 inches diameter or over, mostly over and are first time arrived to large size, not more than 2 years growth from bulblet.

With up to four times the food bulk of the so-called large bulb, these oversize jumbos are most dependable for producing the magnificent show specimen blooms that capture the blue ribbons in the many, highly com-

petitive gladiolus society shows. Almost invariably, the divisional champion spikes and the grand champion spike of the show are produced from young jumbos. The reason is simple enough to anyone who gives the subject a moment's attention. The youthful vigor of the heavy bulb, supplying food bulk and juices with greater volume and over a longer period of the development of the new bulb, creates a stronger and larger plant, with corresponding maximum number of buds, the largest possible flower spike and, incidentally, gives the greatest possible control over the blooming date. In Canada and other northern sections where a short blooming season finds late blooming varieties often cut down by frost before the sluggish growth of an older or smaller bulb can get around to produce the flower spike, these young jumbo oversize number 1 bulbs are in great demand. They are in like demand in all other sections by the advanced amateurs willing to pay but a very slight premium for just that added performance that makes for the difference between blue ribbons and second prizes.

However, the young jumbo oversize No. 1 L bulbs present an additional problem. Being around four times as heavy as No. 2 L bulbs, the aggregate cost of additional postage it would take to send this bumper crop out prepaid would likely put our business finances "in the red". But, if the many individual customers could obtain these young jumbos at our going price of L bulbs merely by taking them on a transportation collect basis, we believe the only other question the customer will ask is "Am I in time to get the jumbos?" So, while they last, order your young jumbos at the catalog rate for L bulbs but F.O.B. shipping point. If your order includes other items at the prepaid prices, we will send the entire order F.O.B., adding bulbs of the varieties ordered to a value in excess of their proportionate share of the delivery cost. We will send them express collect where the express address is furnished otherwise by parcel post, C.O.D. for the postage. Please do not supply postage, as postage adjustments are tedious.

F. O. B. PURCHASES

In fact, whatever size bulbs you purchase, if you wish to have them sent transportation collect, we will be glad to add to the count on the varieties ordered to such an extent that the value of such extra count will safely exceed the transportation cost. We will not guarantee to match the count equivalent specifically offered in some F.O.B. catalog lists partly because we understand the quality of our own bulbs and partly because we are firmly entrenched with our idea that sample lots of varieties newer and/or better than those ordered are more beneficial to the buyer and we know the bulk of our customers like it. So, after the extra count mentioned is made, our generosity with extras will follow.

BARGAIN BULBS

A grower-cataloger of bulbs has certain inescapable costs: planting stock, use of land, its preparation, planting, cultivating, digging, hauling, curing, cleaning, grading, storage quarters, fumigating or other processes to combat insects and bulb diseases, advertising of one form or another, catalogs, postage, packing and shipping. There may be additional items of overhead such as clerical, irrigation, spraying, etc.

Bargain bulbs are made possible by skimping somewhere along the line, almost inevitably reflected in the quality of the flowers they produce.

PRICES

We try to quote prices at once as low as those of other reputable gladiolus specialists, and yet take all known precautions to supply healthy and pest free bulbs.

For the most part we price L, M and S bulbs at the commonly asked prices for No. 2, 4 and 6 bulbs but we deliver, as long as our stocks last, mostly No. 1, 3 and 5, which gives you greater blooming value, particularly when buying the M and S sizes.

Cash orders entitle the buyer to instant segregation and protection of their stock until proper time for delivery.

Our practice of overcounting and/or inclusion of samples equal or superior to sorts purchased, and of oversizing the smaller sizes when stocks permit, never fails to more than equalize any price fluctuations that may develop. A grower is known by the customers he keeps.

WHOLESALE PRICES

Bulbs and bulblets priced only per each are mainly new and scarce sorts and not yet commonly priced lower than the dozen rate price at wholesale. On such items, where stocks permit, to legitimate commercial growers, we will add as much additional stock as circumstances warrant. Particularly liberal to catalogers. On stocks offered per 100, the newer sorts are as low as we can quote them, considering our quality bulbs and our like promise to be as liberal as circumstances warrant. The more common ones, offered per 1000 by many growers, unless you demand our quality bulbs under above terms, these you will please order elsewhere.

However, we are prepared to submit wholesale quotations to parties legitimately entitled to such on the items Peggy Lou, Jersey Cream, Tunia's Blue, Shirley Temple, Frostpink ornatus, Pacemaker, Leona, Crystal, Walk Over, Winall and possibly others.

CASH DISCOUNTS

Cash discounts are applicable only to orders accompanied by cash in full.

Upon orders of \$5.00 up—10% but if received before Mar. 1st—20%

Upon orders of \$20.00 up—15% but if received before Mar. 1st—25%

Orders of \$25.00 up will receive free a \$2.00 society membership, choice of Canadian Gladiolus Society or New England Gladiolus Society—see page 39.

Heretofore, we have granted extra bulbs approximating the above cash discounts. However, we shall still continue, to some extent, to supply extras by overcount, oversizing or by varieties other than those ordered. (See space on order sheet to designate your wishes.) The reason for the March 1st time limit on the extra discount is this: For some years our orders have come piling in to a peak around the middle of the bulb delivery season, utterly swamping us and in some instances causing regrettable delay even on rush orders. Early orders permit a better spread of the delivery and office work. We must alter this situation, even if it costs us substantial money.

If your inquiry for catalog comes too late to get the special before — Mar. 1st discount, please do not ask for it as the reason for its existence has terminated. We send catalogs 2 years to inquirers, longer to customers of course, so you can be in plenty time another year.

These discounts do not apply to Wholesale Quotations or to current, 1940 Introductions, which are priced (as is common in the gladiolus industry) Net, or to Gladiolus Seed. They do apply to current Releases, however.

Our dozen and one-half dozen lot pricing (10 and 5 times each rate, respectively) is not applicable to current Introductions, except to commercial growers and catalogers, to whom this allowance constitutes a 16-2/3% discount.

TERMS OF SALE

Cash with order.

Delivery prepaid in U. S. Gladiolus shipments in March and April, or soon as possible on orders arriving thereafter.

Replacement or refund purchase price any bulb, root, plant or seed that does not prove true to name or does not arrive in condition herein represented. Bulblet germination is not guaranteed.

No substitutions will be made.

Orders received until planting but subject to stock being unsold. To get proper propagation of new sorts, it does not pay us to hold for further sale bulbs and blts priced only per each beyond May 1st. Order early. Our selling season is very short.

Delivery prepaid to Canada and other countries in the Postal Union, except that purchases at 100 rate prices should add at rate 50c per 100 for Large size and 20c per 100 for Medium sized bulbs; other sizes prepaid. Canadian purchasers must enclose with order the Mailing Label secured from the

Secretary of Destructive Insect & Pest Act Advisory Board, Dept. of Agric., Ottawa, Ont.

If a bulk of bulbs is ordered likely to exceed 15 pounds (about 150 large bulbs), it is desirable that Canadian customers apply for permit for entry by express, notifying us of your express address.

If the Canadian customer wishes Oversize Jumbos or to purchase generally on the F.O.B. plan, kindly apply for permit for entry by express. No foreign F.O.B. service by mail.

Additional bulbs will be sent to purchasers south of Equator to offset any price reductions which may be in effect at time of receipt of order.

Foreign remittances may be made payable to our order direct or at Central National Bank of Cleveland, Ohio, by International Money Order or New York Bank Draft payable in U. S. dollars.

BULBS	Priced per each.
	12 sold at 10 rate.
	6 at 5 rate.
	25 at 100 rate.
Blts. Any Amount at Rate Offered.	

OUR KEY SYSTEM A GREAT AID TO SELECTION

Varieties are grouped by color classification for your convenience of comparison and selection.

Varieties are critically described. Naturally, in a list such as this, consequential faults are few, nevertheless, attention is called to them. Show dates and references are to *first prizes* only. Room to mention but few. Symposium ratings refer only to those last published.

For eleven years our variety descriptions have been praised generously, for the accurate visualization of the size of individual floret, the number open at one time, the total bud length of the flower spike, the prominence of markings, etc., made possible by the use of stars, daggers and other hieroglyphics.

We will tell you the size florets to expect, a * indicating large florets 4½ to 5½ inches diameter, ** indicating 5½ to 6 inches and *** indicating extreme size 6 to 8 inches.

We explain the relative quantity of marking, + indicating with *obvious* markings, i.e., so evident as to arrest attention and — indicating without *obvious* marking.

We do not list varieties incapable of holding five florets open at one time. There are thousands of such varieties. We employ † to indicate many open (6-8) and †† to indicate an extreme number (9-16). If the total of open florets and buds make an unusually long spike, we indicate with a double dagger ‡ (15-18) and extreme ‡‡ (19-30).

We furnish the approximate blooming dates of varieties in this locality, checked to the best of our ability from experience of many years. Number after name indicates days from planting to blooming of large size bulb (L). Medium size (M) usually seven to ten days later. Dates not guaranteed since subject to change by excessive heat, moisture, drought, differing soil fertility and other conditions.

Abbreviations: L large bulb 1¼ in. up. M medium size bulb ¾-1¼. S small bulb ¾-¾. Blts. bulblets, Exh., Exhibition Type. Dec., Decorative Type. Sm. Dec., Small Decorative Type. A. G. S., American Gladiolus Society. Ohio, Ohio Gladiolus Society. Mah., Mahoning Gladiolus Society. C. G. S. (Canadian). B. G. S. (British). E. Bay (California G. S.). San Leandro (The largest flower show on western coast). A. M., Award of Merit. F. C. C., First Class Certificate. (Am), Amateur. Com., Commercial.

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Allegro, Light Violet
Amazu, Light Salmon
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Amethyst, Light Rose
Amulet, Buff
Ave Maria, Light Violet

Bagdad, Smoky
Beacon, Scarlet and Light Red
Betsy Bob-Up, Yellow
Betty Nuthall, Light Salmon
Bit o' Heaven, Orange
Black Opal, Deep Red
Blue Admiral, Dark Violet
Blue Beauty, Light Violet
Blue Wonder, Light Violet

California, Deep Pink
Camellia, Light Pink
Candyheart, Light Pink
Carrara, White
Chamouny, Light Rose
Changeable Silk, Light Rose
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Diane, Orange
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Shirley Temple, Cream
Sir Galahad, Yellow
Southern Cross, Red
Southport, Light Rose
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Vela, Scarlet and Light Red

Walk-Over, Red
Winall, Smoky

Zuni, Smoky

GROW SOME GLADIOLUS SEED

All glad fans should try some gladiolus seed. Most advanced amateurs already do attempt some hybridizing with their newest varieties or most favored colors. Gladiolus seed broadcast or planted thickly in close rows, covered about $\frac{3}{4}$ inch, kept on moist side and with at least partial shade, commonly produces bulbs $\frac{1}{2}$ to $\frac{3}{4}$ inches diameter the first crop. Most of these bloom the second year and selections may be made on color values, the bulb selected and its bulblets thereafter grown under number pending full performance from a large bulb.

All modern varieties were so produced, either from field collected or hand hybridized seed. We employed an expert hybridizer who made such crosses as we specified. Of most of the crosses listed we hybridized an average of three pods.

No two seeds, even from the same cross and pod, produce flowers just alike, though they are likely to favor parent characteristics.

With about the most exclusive collection of "world beaters" to be found in the U. S., we have excellent opportunity to produce intriguing crosses, which in turn should rather consistently produce seedlings above the average run of good standard varieties in each color class. They do for us. They should for you. The only trouble is that we are as likely as not to part with some outstanding sorts worthy of introduction as a named variety. That may be your luck. If you grow such from our seed we should like first opportunity to introduce them for you.

It might be advisable to let you know that it is the custom in the gladiolus industry that the person who grows and segregates the seedling bulb is given the credit of being the "originator" of the variety if it is named and introduced—not necessarily the person who made the actual cross. If a lot of new "originators" do not appear in four to five years as the net result of our offering these select crosses we will be greatly surprised.

A considerable number of large bulbs of expensive new varieties are purchased at their current high prices principally with view of doing a little hybridizing. An average illustration might be thus: Mr. X pays \$5 for a bulb of Dazzler and \$1 for a bulb of Margaret Beaton. He figures these varieties may produce some outstanding pinks. (Likely, they should.) He has \$6 invested (often more) and now he must scheme his planting to bring them into bloom on the same day for crossing purposes. About ten to one he fails and has to satisfy himself with crosses with some other varieties then blooming. He could fail next year, too. If he does not fail he has lost a year in his effort to secure seed. Whereas, from our seed list he could have secured 10 seeds, each carefully fingered for plumpness, of Margaret Beaton x Dazzler for a total of but 40 cents, all hazards of production removed. Further, from our list seed may be had of some varieties that are not yet released for sale and unavailable to non-importers at any price.

Try your luck and skill in selection of parents. Depending on stocks available we will try to be very liberal.

How to order. Please do not ask for more than 10 to 20 seeds of a given cross. Seed prices are Net, no discounts. Canadian and other foreign customers do not need to secure a permit to import seeds. The seed bearing parent is the first variety listed.

GROUP A. SEEDS 2c EACH

Allegro x Festival Queen
Allegro x Rosemarie Pfitzer
Beacon x Rosemarie Pfitzer
Blue Wonder x Tunia's Blue
Euides x Beacon
Festival Queen x Allegro
Festival Queen x Margaret Beaton
Festival Queen x Rosemarie Pfitzer
Festival Queen x Royal York
Festival Queen x Tunia's Blue
Gypsy Lass x Allegro
J. S. Bach x Rosemarie Pfitzer
J. S. Bach x Tunia's Blue
Leona x Rosemarie Pfitzer
Pacemaker x Beacon
Pacemaker x Rosemarie Pfitzer
Peggy Lou x 7384 (orange)
Rewi Fallu x Beacon
Rewi Fallu x Rosemarie Pfitzer
Rima x Royal York
Rosa Van Lima x Tunia's Triumph
Rosemarie Pfitzer x Margaret Beaton
Rosemarie Pfitzer x Rewi Fallu
Rosemarie Pfitzer x Shirley Temple
Rosemarie Pfitzer x Takina

Sandra x Rosalie
Takina x Festival Queen
Takina x Hindenburg's Memory
Takina x Peggy Lou
Takina x Rosemarie Pfitzer
Takina x Shirley Temple
Takina x Tunia's Triumph
Tunia's Blue x Rosemarie Pfitzer
Tunia's Blue x Vagabond Prince
Vagabond Prince x Tunia's Blue
Vela x Euides

GROUP B. SEEDS 3c EACH

533103 (6 in. violet) x 6297 (8 in. violet)
Beacon x Peggy Lou
Beacon x Tunia's Triumph
Black Opal x Takina
Excell x Pacemaker
Gypsy Lass x Crystal
J. S. Bach x Aladdin
J. S. Bach x Black Opal
J. S. Bach x Southport
J. S. Bach x Tunia's Triumph
Leona x Tunia's Triumph
Margaret Beaton x Black Opal
Margaret Beaton x J. S. Bach

GROUP B. SEEDS 3c EACH—Cont.

Margaret Beaton x Leona
 Matterhorn x 511-37 (Both) scarlet.
 Matterhorn x Black Opal
 Matterhorn x Rosalie
 Matterhorn x Rosemarie Pfitzer
 Peggy Lou x Hindenburg's Memory
 Peggy Lou x Leona
 Queen of Salmons x Royal York
 Rima x Crystal
 Rosa Van Lima x Matterhorn
 Rosemarie Pfitzer x Aladdin
 Rosemarie Pfitzer x Hindenburg's Memory
 Rosemarie Pfitzer x Peggy Lou
 Rosemarie Pfitzer x Raysheen
 Rosemarie Pfitzer x Tunia's Triumph
 Shirley Temple x Hindenburg's Memory
 Shirly Temple x Takina
 Sub Deb x Rewi Fallu
 Tunia's Triumph x 7384 (orange)
 Tunia's Triumph x Margaret Beaton
 Tunia's Triumph x Pacemaker
 Tunia's Triumph x Takina
 Vagabond Prince x Aladdin
 Walk Over x Rosemarie Pfitzer
 Walk Over x Shirley Temple

GROUP C. SEEDS 4c EACH

62971 (buff) x Crystal
 62971 (buff) x Matterhorn
 7384 (orange) x Matterhorn
 7384 (orange) x Tunia's Triumph
 Beacon x Dazzler
 Beacon x Excell
 Black Opal x Crystal
 Colossus x Dazzler
 J. S. Bach x Crystal
 J. S. Bach x Hindenburg's Memory
 J. S. Bach x Matterhorn
 Margaret Beaton x Dazzler
 Margaret Beaton x Rosemarie Pfitzer
 Matterhorn x Hindenburg's Memory
 Matterhorn x J. S. Bach
 Matterhorn x Margaret Beaton
 Matterhorn x Rewi Fallu
 Matterhorn x Tunia's Triumph
 Peggy Lou x Excell
 Peggy Lou x J. S. Bach
 Rewi Fallu x Crystal
 Rosa Van Lima x Crystal
 Rosa Van Lima x Dazzler
 Stella Antisdale x Beacon
 Stella Antisdale x Leona
 Stella Antisdale x Rosemarie Pfitzer
 Sub Deb x Excell
 Tunia's Triumph x Matterhorn
 Vagabond Prince x Sir Galahad
 Vela x Margaret Beaton

GROUP D. SEEDS 5c EACH

6297 (8 in. violet) x Margaret Beaton
 6297 (8 in. violet) x Pacemaker
 6297 (8 in. violet) x Rosemarie Pfitzer
 511-37 (Both) scarlet x Rosemarie Pfitzer
 Beacon x Gorgeous Glad (8 in. pink)
 Crystal x Hindenburg's Memory
 Crystal x J. S. Bach
 Crystal x Margaret Beaton
 Crystal x Peggy Lou

GROUP D. SEEDS 5c EACH—Cont.

Crystal x Rewi Fallu
 Crystal x Rosemarie Pfitzer
 Crystal x Walk Over
 H. B. Pitt (pink) x Sir Galahad
 Harmau x Margaret Beaton
 Margaret Beaton x Hindenburg's Memory
 Margaret Beaton x Mardi Gras
 Margaret Beaton x Tunia's Triumph
 Peggy Lou x Frostpink
 Peggy Lou x H. B. Pitt (pink)
 Peggy Lou x Matterhorn
 Rewi Fallu x Dazzler
 Rewi Fallu x Sir Galahad
 Robert Burns x Sir Galahad
 Stella Antisdale x Dazzler
 Stella Antisdale x Matterhorn
 Stella Antisdale x Sir Galahad
 Stella Antisdale x Tunia's Triumph
 Tunia's Triumph x Merry Widow
 Tunia's Triumph x Peggy Lou
 Walk Over x Crystal
 Walk Over x Peggy Lou
 Zuni x Jim Holland

GROUP E. SEEDS 6c EACH

6297 (8 in. violet) x Gorgeous Glad
 63542 (8½ in. cream) x Dazzler
 511-37 (Both) scarlet x Margaret Beaton
 511-37 (Both) scarlet x Sir Galahad
 Alladin x Crystal
 Crystal x Matterhorn
 Dazzler x Beacon
 Dazzler x Festival Queen
 Dazzler x Margaret Beaton
 Dazzler x Matterhorn
 Dazzler x Rosemarie Pfitzer
 Dazzler x Sir Galahad
 Dazzler x Vagabond Prince
 Greta Garbo x Gorgeous Glad (8 in. pink)
 Greta Garbo x Margaret Beaton
 Greta Garbo x Tunia's Blue
 Hind. Memory x 511-37 (Both) (scarlet)
 Leona x Dazzler
 Lord Selkirk x Crystal
 Lord Selkirk x Purple Beauty
 Lord Selkirk x Royal York
 Margaret Beaton x Merry Widow
 Margaret Beaton x Peggy Lou
 Matterhorn x Crystal
 Matterhorn x Dazzler
 Matterhorn x Purple Beauty
 Merry Widow x Peggy Lou
 Merry Widow x Tunia's Triumph
 Peggy Lou x Crystal
 Peggy Lou x Merry Widow
 Purple Beauty x Crystal
 Purple Beauty x Lord Selkirk
 Purple Beauty x Rosemarie Pfitzer
 Purple Beauty x Sir Galahad
 Sir Galahad x Crystal
 Sir Galahad x Dazzler
 Sir Galahad x Matterhorn
 Sir Galahad x Rewi Fallu
 Sir Galahad x Tunia's Triumph
 Tunia's Triumph x Sir Galahad
 Walk Over x Dazzler
 Walk Over x Sir Galahad
 Zuni x Crystal

LAVENDER

GERTRUDE SWENSON 98 —†††† Exh.

An unusual color. Might be called a mauve shaded lavender, feathered white and a white throat. 12 to 15 four inch or larger florets open at once are commonly obtainable. Tall spikes, long flowerheads. Had 4 show championships in Australia by 1932. N.E.G.S. and Ohio, '35. Most open, A.G.S. '36. Winnipeg, '36. (Mrs. Pease) Ill., '36. (Am) N.E.G.S., '37. Sioux City, '38. Most open, Conn., '38. Mich., Utah and section champion at Pa., '39. Each L \$.10 M.06 S.03 Blts (100,.20)

HIGHLAND CHIEF (Mair-Barber) 90 **

—††† Exh. Depth of lavender approaching that of King Arthur. Makes immense exhibition spikes with up to ten very large, round, nicely waved florets open at one time. Often has a few small extra petals at center. We broke the ice for it, securing blue ribbon at Mich., '39. Each L \$.60 M.40 S.20 Blts. .05

ISOLA BELLA 92 *—††† Exh. Both bud and flower cattleya pink with a soft lilac hue. 8-10 open on tall strong spike. A.M., Haarlem. B.G.S., '37. We registered the first win in U. S. at Ohio, '38 with 3 very fine spikes which attracted much admiration. Winnipeg, '39. L.15 M.10 S.05 Blts (100,1.00)

KING ARTHUR 85 **—† Dec. Very deep toned lavender. Only 4-5 open at one time. Has large, ruffled florets with crease thru center of each petal. Bloom form and color much admired by many. (Am.) Ohio, '35. N.E.G.S., '36. E. Bay, Pa., Sioux City and Cedar Rapids, '38, Utah, Grants Pass and N.E.G.S., '39. L.06 (100,4.00) S.02(100,1.50) Blts (100,.20)

LAVENDER DELIGHT 90 *—††† Dec. Deeper and more brilliant than Minuet. Excellent blooms from the smaller sizes. Our 1st, A.G.S., '33. A.G.S., '37. Mich., '38. L.07(100,4.50) M.04(100,2.50) S.02 (100,1.25) Blts (100,.20)

LAVENDER RUFFLES (Wilson) 69 *—††† Dec. Com. Delicate lavender, cream throat lightly peppered lavender. Ruffled. Petals slightly recurved. 4½-5 in. florets, 5-6 open, 19 buds. Tall. Blooms readily from blts. Entered as an Exh. variety it won over Minuet both at Wellsville and at Ohio, '39. We would not classify it as Exh. At Wellsville it also won the

award "Most Beautiful Bloom in the Show." Each L \$1.00 M.70 S.40 Blts (100,\$5.00)

MINUET 98 *—††† Exh. Clear, blue cast lavender. One of Ohio's outstanding originations. Champion of Show, Iowa '35. E.S.G.S., Grants Pass, (Dr. Pease) Ill., Mich., N.E.G.S., and A.G.S., all '36 A.G.S., (Mrs. J. Sherwin) C.G.S., E.S.G.S., Conn., N.E.G.S., Metro., Ohio, Mich., Minn. and Grand Champion at both Ind. and Ia., all '37 and rather impressive. Now 2nd best glad, all types and colors, N.E.G.S. and 6th C.G.S. Symposiums and tops the color class in both. C.G.S., Winnipeg, Pa., Ames, Sioux City, Cedar Rapids, Mah., E.S.G.S., and our 1sts at Ind. and Ohio, all '38. C.G.S., N.E.G.S., Minn., Winnipeg, E.S.G.S., Utah, Md. and section champ Iowa, all '39. L.06 (100,4.00) Blts(100,.20).

WHITE

CARRARA 90 —†† Dec. Medium small florets of purest white. Florets open wide, 7-8 at once, well spaced on a strong but wiry stem. A German variety with good commercial qualities, making fine spikes from the smaller sizes. A.M., Haarlem. L.10 M.06 S.03(100,1.75) Blts (100,.40)

CRYSTAL (E. Both) 90 *—†††† Exh.** and Commercial giant of giants. Pure white without any marking. Florets 6½-7½ inches. 11-16 open (has held several more). Florets open wide and flat, have heavy substance and open up the stem very quickly. Stem is exceptionally wiry and strong. Foliage is abundant and very wide. Makes exceptionally fine looking bulbs and a fairly good quantity of large bulblets that germinate easily and grow well. Not a good bloomer from the smaller sizes but makes up for that plenty from large bulbs, be they young, old or even old divisions. We understand some crosses between Crystal and Tunia's Triumph are producing some wonderful pinks. 12 spikes variously entered at So. Australia G.S. Nov., '37, won in 3 Best White Seedlings, in 6 Best Spikes in the Show (each different), in Best 6 Seedlings, one was Grand Champion Seedling, another was Grand Champion Bloom of the Show. Still another was runner up or Reserve Champion. The Grand Champion spike scored 90, which, we understand, is the highest rating ever given a Grand Champion in any Australian Glad. show. See illustration of spike of Crystal and another of bulbs of Crystal and Peggy Lou, aver-

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

age production from number 5 bulbs. Our 1st, Ohio, our blue ribbon also at Mich. and blooms from our bulbs growing at the British Test Gardens won the B.G.S. Award of Merit, all '39. Each L \$2.25 M 1.50 S 1.00 Blts (each, .20; per 10, 1.60)

GREEN LIGHT (Grunes Licht) 95 **—†† Exh. Large, well formed and slightly ruffled florets of milky white, overlaid by a peculiar greenish gloss. New Pfitzer variety. Already holds an A.M., Haarlem, '35 and a 1st, B.G.S. '35. We broke the ice for this one, in U. S., winning with 3 beautiful spikes, A.G.S., '37. A difficult class for any variety to win but we took a 1st, Ohio, '38. L.20 M.12 S.08 Blts .02

HEILIGTUM 85 **—††† Exh. Alabaster white with greenish throat. Florets of fine form and large size. 7-9 open, 20 buds, tall, strong spike. A.M. Haarlem. Another new Pfitzer variety. The variety will hold more open than shown, when grown from large bulbs. See illustration. B.G.S., '36. We are first to win with it here, Ohio '38. L.20 M.12 S.08 Blts (100, 1.25)

JUNE BRIDE (Salbach) 90 ***+†† Exh. Com. Patented. Has not only immense florets, 6-7 inches, 6 open, 18 buds but also a tremendously long flowerhead in the neighborhood of that of Peggy Lou, 30 inches. Color is creamy white with a soft red blotch, almost pink. Good placement and facing, excellent cut flower habits. 60-66 inches tall (half of it flowerhead!) Patent restrictions are same as specified in description of Golden Goddess. E. Bay, '39. Each L \$2.50 M 1.50. See collection at end of variety list.

LORD SELKIRK (Twomey) 94 *—†††† Exh. Com. Clear milk white with unmarked creamy white throat. Makes a tall, strong plant, blooming well from medium size bulbs. 4½-5 inch florets, 11 or more open, about 25 buds. Propagation fair only, with us, A.M., Winnipeg, '38 and Metro., '39. F.C.C., Mass. Hort. Soc., N.E.G.S. and Minn., '38. Four firsts, C.G.S. and Grand Champion, Minn., '39. Each L \$5.00 M 3.00 S 3.00 Blts 1.00



CRYSTAL

Pure White . . 7 inch Florets.
11-15 Open. New Champion



CRYSTAL

(grown from No. 5 bulbs)

"Some catalogs print more pictures but for information yours has them all beat." 3-6-'39. F. M. C., Champaign, Ill.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.
Blts any amount at rate offered. Delivered Prepaid in U. S.

MAID OF ORLEANS 84 *—†† Dec. Milky white, light cream throat. First class cut flower habits. A.M., British G.S., F.C.C., Haarlem. Dependable sort, of which you cannot grow too much. Only Picardy and Minuet leads it in the N.E.G.S. Symposium but it is at the top in its color class. Five Awards of Merit abroad. Grand Champion, Mah., '36. Sectional champ frequently. Ohio, Wellsville, Utah, Md., E. Bay and section champ at Yakima, '39. L.06(100,4.00) Blts (100,.15)

MAMMOTH WHITE 94 ***—† Exh. Clear white. Is losing ground as the new ones become better known. Disbud to one eye for competitive specimens and it is hard to beat. C.G.S., E. Bay, Yakima, Ia., Calgary, Mich. and E.S.G.S., '37. E. Bay, Cedar Rapids, Pa., E.S.G.S. and our 1st, Ohio, '38. L.06(100,4.00) Blts (100,.20)

MARGARET BEATON (Twomey) 94 **—††† Exh. Com. Ivory white with small orange scarlet blotch. Tall, well formed spike with fine cut flower habits. 6-9 open 5½-6 inch florets. One of the most beautiful blotched varieties to be had. Certain to become very popular. Grants Pass, Wisc., Snohomish Co. G.S., "Most Beautiful Bloom in the Snow", Metro. and 10th in the Ohio Symposium, all '39. Each L \$1.00 M.60 S.40 Blts (12,1.00)

MATTERHORN 94 ***—††† Exh. Pure white, slight cream in throat. Buds have a greenish cast. This variety sounds the knell for Mammoth White, for it has similar round florets of about same or larger size, a bit closer to pure white, flowerheads as big, substance and strength of spike beyond comparison. Good propagator and has every cut flower quality we can think of. A Pfitzer variety. Matterhorn just missed tying for 1st, all colors, C.G.S. symp. It received 100% "A" votes but less than 20% of the voters were able to report on it. A.M., Haarlem, '35. B.G.S., '36. We register the first win in U. S. at Ind., '38. L.75 M.50 S.25 Blts.08

MYRNA (Pruitt) 76 **—††† Exh. Com. Ivory white. Ruffled. About half way between Maid of Orleans and Mary Elizabeth, its parents but larger florets and 7-10 open. We had one spike open 11 in the field. Appears to have cut flower habits. Our blue ribbon at Mich., Grand Champion at Md. and A.M. (Test Gardens) B.G.S., all '39. Each L \$2.00 M 1.50 S 1.00 Blts (10,2.00; 100,\$12.50)

POLAR ICE 70 *—†† Dec. Pure White. Extraordinary forcing qualities. Our best "basket other than floor," Ohio, '35. We displayed two black vases, 12 spikes each, from number 4 M bulbs bloomed in 60 days at A.G.S., '35, winning also for us in Dec. spike class, A.G.S., '35. (Am) C.G.S., '36. B.G.S., '37. Our 1st, Ind., '38. Utah and Grants Pass, '39. L.06(100,4.50) M.04(100,2.75) S.02(100,1.50) Blts (100,.25)

STAR OF BETHLEHEM 80 ***—††† Exh. Pure snow white with tinge of cream in throat. 6-8 enormous florets open at once, loosely but well arranged on very long, wiry stems. Such size and earliness uncommon in any color. See illustration and try to visualize this immense spike on a scale of lower floret to exceed 6 inches. Buds like candlesticks. Dropped slightly in the new C.G.S. symp., now 3rd (nosed out by Rewi Fallu and Picardy) but still at top of the color class. Washing out our long list of awards and starting anew: Ohio, C.G.S., N.E.G.S., E.S.G.S., Utah and E. Bay. Also section champion at Iowa and same for us at Md., all '39. L.08(100,5.00) M.05(100,3.25, S.02 (100, 1.50) Blts (100,.30)

"The "Star of Bethlehem," which you sent me complimentary, had the most beautiful spike I ever saw in a white "glad." Eleven florets open; the lower ones seven inches across and the upper ones four and a half and in perfect placement and tapering beautifully." 7-6-'37., Prof. E. M. S., Sacramento, Calif.

SUB DEB (Evans) (62922) Sm. Dec. Commercial. 65 days. White without marking. Much Whiter than the variety White Butterfly, possibly taller and more open, as well. Small florets, 2-3 inches, slightly hooded, well spaced, 5-8 open, limber but wiry stem. Easy grower, fast propagator, blooms exceptionally well from smaller sizes. Considerable show background already. Ohio, '34, '35, '36. A.G.S., '35, '36. Md. G.S. Trial Grounds '37 "Vote of commendation", coupled with language "This seedling is recommended as an improvement on other available small decorative white varieties." At Ohio, '38 it won in Sm. Dec. 1 spike, 3 spike and basket classes. Our 1st and A.M., Ohio and A.M. (Test Garden) British Glad. Soc., '39. L.25 M.15 S.08 Blts (100,2.00)

"We just received your splendid Fancier's Guide Book and wish to compliment you on its appearance and the information contained therein. I do not believe there is another catalog as valuable, published." 1-12-'38. D.A.B. Encinitas, Calif.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.
Blts any amount at rate offered. Delivered Prepaid in U. S.

CREAM

JERSEY CREAM 78 *—†† Dec. New, 1936.

Aptly named. Smooth, rich, deep cream. The only deep cream with perfect cut flower habits. Florets average 5 inches, 8 or more open, 16-18 bud, 50 inches tall. Good propagator and makes exceptionally fine blooms from M and S bulbs. Substance excellent. Cut flower blooms well to the tip. These traits, coupled with the unusual color value and beautifully decorative form make the florists' dream of a clear, deep cream, usable in all stages of bulb growth, come true. In several years of growing we have been unable to discover any faults to mar this wonderful record. Fine reports from far and wide. Wisc. '37, Blue Ridge, '38. Our 1st at both Ohio and Ind., '38, Wisc. and our blue ribbon, Mich., '39. L.08 M.04(100,3.00) S.02 (100,1.25) Blts (100,.25)

"Jersey Cream. Bloomed 87 days, 49 inches tall, straight, 16 bud, 7 open, 4½ inch florets, facing excellent, spacing and texture same. Type both Com'l. Exh. and Dec. Healthy foliage. Color, rich cream." 10-1-'37. Legion Trial Grounds, Spring Green, Wis.

"Jersey Cream. This attractive variety of the decorative type produced 48 inch spikes carrying 15 buds on 18 inch flowerheads with five 4 inch florets open in the field. Spikes were straight and strong and placement good. Color, cream, without markings, and the florets have very good substance. Bloomed 76 days. Awarded Vote of Commendation." 10-7-'37. Maryland Gladiolus Soc. (Trial Grounds Report)

"Jersey Cream attracted a lot of attention in the trial ground and in Havre de Grace, where several of our members grew it. It looks to me to be about the best of the cream decorative varieties." 10-7-'37. H. V. W., Edgewood, Md.

"All my bulblets of Jersey Cream bloomed." 2-23-'37. J. A. F., Atlanta, Ga.

"Very pleased with your Jersey Cream. Must have a stock now for cut flowers—and any extras, please, in Jersey Cream." 4-25-'38. V.C.F., Fremont, Nebr.

"Think that Jersey Cream of yours is a peach. Bulblets with me grow better than any variety I have ever grown, and those florists fortunate enough to see it, all clamored for some when available." 11-17-'38. G.S.—the largest wholesale grower in the Chicago area.

MAGNA BLANCA 95 *** — ††† Dec.

Huge, clear ivory with vivid creamy yellow throat. Immense florets with long, pointed petals. 6 or more open making a handsome spike set in airy fashion on a slim, willowy stem anywhere from 5½ to 7 ft. high! A church and wedding decoration supreme. Certain to become popular for massive decorations. Splendid blooms from S bulbs. A.M. by R.H.S., England, '34. At A.G.S., '36, won for us Best Floor Basket and the coveted Seabrook Perpetual Trophy (3rd time for us). Awards too numerous for mention. 72 inch spike won E. Bay, '37, 73 inch won at Wellsville and 89 inch at E. Bay, '38, 1st Mich., tallest Ohio and Utah, '39. L.07(100,4.50) M.04 (100,2.75) S.02 (100,1.50) Blts (100,.15)

"Please do not think that Magna Blanca grows 8 ft. tall only in Ohio and Cal. because your bulbs grew to 9 ft. with me last year. This is authentic Witness, Dr. Forman McLean, Director N. Y. Botanical Garden." 3-29-'37. H. F. deG., Southamton, L. I., N. Y.

MARY ELIZABETH 105 *—††† Dec. Pure, opaque white with strong, rich, creamy yellow throat. Beautifully ruffled. Thick, waxy substance. One of the most beautiful of all Decoratives. Ideal cutting habits. For years we have been praising and recommending this variety for all purposes. Now reasonably priced. N.E.G. S. (5th yr.), E.S.G.S., Metro, Ohio and Ia., all '37. N.E.G.S., Conn., Pa., Ohio, our 1st Ind., two firsts at E.S.G.S. (we noticed one of them beat Shirley Temple and the other had 13 open on the 2nd day) Sectional Champion at both Ill. and Wisc. and sweepstakes award of "Most Beautiful Bloom in the Show" at Canadian National show (via bulb furnished by us in hands of novice exhibitor), all '38. N.E.G.S., Ohio, E.S.G.S., E. Bay, our 1st Mah. (2nd show) and section champion Iowa, all '39. L.06(100,4.00) M.04(100,2.75) S.02(100,1.50) Blts (100,.20)

SHIRLEY TEMPLE 100 ***—††† Exh.

Light cream, approaching white. Vivid throat mark of rich cream. Florets creased and ruffled, leathery texture, averaging larger than Picardy and blooms from bulblets have measured over 6½ inches. 6-8 open, 18 to 20 bud, 5-6 ft. tall, well foliated, excellent propagator, blooms out remarkably when cut. If you plan to bloom out on the plant spikes from large bulbs in hottest weather, we suggest staking to play safe. Ind. and Md., '38, Mich., Utah, E. Bay, Wisc., Grants Pass, Snohomish Co., our 1st Ohio and Grand Champion at Eastern N.Y.G.S., all '39. Has edged out Mary Elizabeth for best cream in the N.E.G.S. symposium and rated 5th best glad any color Ohio symposium. Good propagation has caused tremendous drop in prices. Was 75c per bulb last year. L.10 M.06(100,3.00) S.03(100,1.75) Blts (100,.50)

BUFF

AMULET 93 *—†† Dec. Clear capucine orange buff. Heavily ruffled. Has a peachy tone not found in Wasaga. Both Amrita and Amulet are Picardy X Wasaga crosses, probably from the same pod. We feel certain that Amulet is the more desirable of the two. A.M., C.G.S., '36, A.M. Metro., '37. Each L \$1.50 M 1.00 S.50 Blts (10,1.00)

"Your extras showed that you were not merely trying to pawn off surplus stock of varieties ready for discard." 9-7-'39. W.V.R., Haslett, Mich.

HELEN OF TROY (Salbach) 88 ***+††† Exh. Patented. Larger than Miss America and almost as large as King of Hearts. A beautiful apricot not far from the golden buff of Wasaga with slight shadings of pink and a sort of brownish blotch. Florets wide open, consistently 6½-8 inches diameter, 6-8 open, 19 buds, 27 inch flowerhead, close to 60 inches tall. Always straight. This variety is going to win some grand championships as soon as it gets around to the shows. Patent restrictions same as specified in description of Golden Goddess. Each L \$2.50 M 1.50. See collection at end of variety list.

PARADISE 92 *—†† Dec. Another fine gladiolus from Mr. Pruitt. Apricot buff shading to yellow in throat, touched with minute red hair lines. Vigorous grower, making fine, long spikes. Grants Pass, '36. Mich., '37. Mah., Md., Sioux City and sectional champ, at Yakima, '38, Wellsville, Utah, Md., E. Bay, Mich and Wisc., all '39. L.06(100,4.00) M.04(100,2.40) S.02 (100,1.25) Blts (100,.15)

LIGHT PINK

CAMELLIA 90 *+††† Dec. We have grown about every white with red blotch offered in the last ten years, hoping to find one we were willing to catalog. Clean, pink toned white, with a rather small, vivid orange scarlet blotch on a cream ground. Appears to have commercial qualities. 5 inch florets, 6-7 open, about 20 buds, spikes tall and straight. Good propagator. Grants Pass, E.N.Y.G.S., Snohomish Co., and A.M. (T.G.) B.G.S., '39. L.30 M.20 S.10 Blts (100,2.00)

CANDYHEART (Salbach) 90 ***+†† Exh. Com. Soft, clear flesh pink, blotched light carmine. Florets winged type, wide, 6 in. or more dia., 6 open, 17-18 buds. Good placement, tall, vigorous plant of good cut flower habits. Rapid increaser. Best seedling at E. Bay, '37. L \$2.50 M 1.50

GRAND OPERA (Salbach) 93 ***—†† Exh. Patented. Giant florets up to 8½ inches. 5-6 open, 16-18 buds, up to 6 ft. tall. Color is soft but clear light pink about R6 on Fischer Color Chart. Slight red feathering in throat. Very stunning. Excellent hybridizing agent. Patent restrictions are same as specified in description of Golden Goddess. Each L \$2.50 M 1.50. See Collection at end of variety list.

GRETA GARBO (Pfitzer) 86 *—††† Exh. Com. Surely this gladiolus rates inside the best ten extant. But a matter of time and it will be near the top of all symposiums. The color is soft, a very light rose pink, so light we classify it light pink. Cream on lip petal. Buds are salmon rose. Opens 6-9 finely placed, well expanded, perfectly formed flowers on a tall, slender but strong stem. Healthy grower, rapid propagator, ideal cut flower habits. Both A.M. and F.C.C. at Amsterdam, Haarlem and B.G.S., a stunning record. Metro. and our blue ribbon at Mich., '39. Each L \$6.00 M 4.00 S 3.00 Blts .50 Prices net, no discount.

MANAWATU 93 **—†† Dec. only Light pink, feathered somewhat deeper. Fairly tall with thin, wiry stem. An Australian variety supposed to be straight but some of our spikes showed a tendency to crook in the hottest season. Many customers reported some crooking but practically all liked it, notwithstanding. The color is very good, florets often larger and often more open than indicated. L.15 M.10 S.05 Blts (100,1.00)

MERRY WIDOW 100 ***—†† Exh. Very light blush pink, approaching white, one ruby pencil stripe through center lip. Slightly hooded but widely flaring. Substance fair, about as Jubilee. Merry Widow was the Grand Champion Seedling at the Stambaugh Hall show of the Mah. G.S., '31, where it was shown with an 8¼ inch dia. floret. At the Ohio-Great Lakes Expo. show, '36, it won for largest flower in the show and was around 2 inches larger than its closest rival. Here, one party declared it was reminiscent of the famous Merry Widow hats. Hence its name. Largest floret (7½ inches), Mah., '38. President of Ohio society measured a bloom in our field last August, 8½ inches (about the height of this page.) Largest floret, Mich. and Ohio, '39, Stock limited. Each L \$1.25 S.40 Blts .06

"For goodness sake, what is the parentage of Merry Widow? To say the least, I was taken aback when it came in bud—and when it bloomed, I just stood there in amazement. Made some crosses and the pods were "sockers" and well filled. Here is my record: Creamy white, blushed light pink, throat deeper pink, narrow reddish line through center petal. 94 days, stem 13 inches, flowerhead 30 inches, crooked slightly, floret 8 inches, slightly hooded, 6 open, 18 buds, placement fair. Stood hot weather very good. Produced a large bulb with other small bulbs piled on top, but which will not separate from large one, also a small bulb on side of spike about 6 inches above main bulb." 9-27-'38. This from another Pres. of a state society nearby.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

MISS AMERICA 95 **—†† Exh. Com. Delicately toned, light pink, about pale flesh. A slight indication of hooding, uncommonly wide proportioned florets. Excellent color value coupled with first class cut flower traits. 1st and A. M. East Bay, '38. Our blue ribbon at Mich., '39. Each L 1.00 M.50 S.25 Blts .10

NEW ZEALAND SPLENDOR (Toon) 88 **—†††† Exh. (Picardy x Mrs. S. A. Errey) '39-'40 introduction in N. Z. Soft, medium tone of pink with conspicuous orange scarlet throat blotch. Quite large florets, well placed, up to 10 open on long flowerhead and stem. Mr. Toon, the well known N. Z. hybridizer, says it is the best of his originations. Received an A.M. at Burnley Test Gardens, '38. Was open Grand Champion at the Lyttelton, N. Z. show, '39. Each L or M, while choice lasts, \$2.50. Blts 1 lot of 12 obtainable with each bulb purchased for \$2.50 additional (i.e., 1 bulb, 12 blts for \$5.00). Prices strictly net, no discounts whatever.

PACEMAKER 100 **—†††† Exh. Smooth. medium-light pink. Prominent, smooth white throat. 12-16 open. Immense flowerheads on medium length stems. Top score Exh. Seedling and Champion Seedling Bloom (all types), winning two blue ribbons and the large sterling silver Stella M. Antisdale Seedling Trophy, joint Ohio-Mahoning at Ravenna, Ohio, '34. Without injuring frontal appearance its florescence is such that it sometimes fills out $\frac{2}{3}$ around the stem instead of just $\frac{1}{2}$. With our cultivation the stem only approximates the length of the flowerhead. The spike shown in the illustration only had ten open but the florets were larger than usual, the first $7\frac{1}{2}$ and the tenth $5\frac{1}{2}$ inches dia.; the flowerhead 26 and the entire cut spike $50\frac{1}{2}$ inches long. Not a fast propagator and stocks still limited. Our 1st and Grand Champion at Mah. (2nd show), '39. L.40 M.30 Blts .04

REVERIE 90 *—*†† Dec. Com. Pale shrimp shading smoothly to cream throat. Very high color value with instant appeal. Makes a vigorous, healthy plant, with well open, lightly frilled florets. Total about 20 buds. Good propagator. Excellent blooms from the smaller sizes. A.M., C.G.S., '33. A.G.S., '37. Ames, E. Bay, Ia. and our 1st Mah., '38. Ohio, Grants Pass and Grand Champion at Utah (2nd show), '39. L.07(100,4.50) M.04(100,2.50) S.02(100,1.25) Blts (100, .10)



PACEMAKER

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.
Blts any amount at rate offered. Delivered Prepaid in U. S.

ROSEMARIE PFITZER 85—†††† Exh.**

Very light pink with faint flecks of creamy hue. Slightly ruffled. Round, "inverted" type florets (single lip, top petal back). Has exquisite beauty, very delicate in appearance yet of excellent substance and texture. Makes good blooms from the smaller sizes. Bulbs are soft and mar easily but perform well. A.M., Haarlem and Amsterdam. Wellsville, C.G.S., Utah, Mich., our 1st Ohio, "Most Beautiful Bloom in the Show," C.G.S. and Grand Champion, Calgary (2nd show) all '39. Tops color class in C.G.S. symposium. L.08(100,6.00) M.05(100,4.00) S.02(100,1.50) Blts (100,.20)

"At the Gladioli Show I had one of your Rosemarie Pfitzer ready and captured 1st prize with it. The spike grew 6¾ feet high and was a beauty." 9-27-'37. Mrs. J. N. A., Regina, Sask.

STELLA ANTISDALE (Evans) 80 *—††**

††Exh. Com. Smooth, soft light pink, a bit lighter and creamy in throat. Color has what might be termed a suede finish. Big round florets, mostly the much desired inverted type (single lip petal, top petal to rear), 6-7 in. dia., 7-9 open easily in the field, 18-20 buds. Tall spike, 55 inches high, strong, wiry stem, all straight for 4 years. Full exhibition type placement in double row formation from M as well as L bulbs. Flowerhead 24-28 inches. Good propagator. Was best single spike exh. seedling and won Bronze medal at Ind., '38. At the Ohio show, '39, a 3 spike entry of this variety (then seedling No. 7356) broke all known records for prize winnings on a single entry by winning

- (1) First as best pink exh. seedling.
- (2) Section champion (exh. sdlg. color classes).
- (3) Champion Seedling (all types).
- (4) N. E. G. S. Special Seedling Blue Ribbon.
- (5) American Home Achievement Medal.
- (6) Stella Antisdale Sterling Silver Sdlg. Trophy.
- (7) O.S.G.S. Award of Merit (86 points).
- (8) Grand Champion Bloom of the Show.
- (9) N.E.G.S. Grand Champion Purple Rosette.

With 50 or more spikes of Peggy Lou of grand champion caliber and a stunning spike of King of Hearts present to give battle, Stella Antisdale polled 7 of the 10 votes of the judges. Its parents, Albatros x Picardy. With excellent color, giant florets, true exhibition form, straight spikes and good cut flower habits, we expect all will like it. Each L or M \$6.00 Blts.60. Prices net, no discounts.

"I really thought I had seen some fine looking bulbs before, but for weight, youth and cleanliness yours surpassed anything I ever hoped to see—without exaggeration." 4-21-'38. R.E.C., Mt. Royal, Que.

SALMON

(Incl. lt. sal. and scarlet sal.)

ALADDIN 85 *—†††† Exh.** Soft tones of salmon pink, creamy blotch with some cream along the mid ribs of the petals. Immense florets, widely expanded, somewhat waved, well over 6 inches dia., 8-10 open, about 20 buds. But two years of growing experience with this, nevertheless our plants were so strong and stems so sturdy and spikes so big and showy we are inclined to believe Aladdin is Mr. Palmer's finest creation to date. Good propagator. Wash. and Ind., '38. We learn that after we left this Ind. show, Mrs. Sherwin's spike was chosen Grand Champion, as we expected. First Wash., Wisc., our first Ohio and Grand Champion at Yakima and Winnipeg, all '39. Each L \$1.50 M 1.00 S.50, Blts (10,1.00)

AMAZU (E. Both) 80 *—††† Dec. Com.

Light orange pink with deeper feathering on lip petal. Has a frosty iridescence. 5 inch florets, 6-8 open, about 20 buds. Stem is strong and wiry. Comes to us from Mr. Both with a background of seven blue ribbons in Australian shows '36, '37. L 1.00 M.60 S.30 Blts .10 Stock limited.

BETTY NUTHALL 110 *—††† Dec. Coral

pink shading to some orange. Yellow in throat. Aided by rapid propagation, this variety made a meteoric rise into popular favor. Has been so near top of symposiums so long and won so many awards it is needless to report them. Ohio, N.E.G.S., E.S.G.S. and E. Bay, '39. L. 06 (100,4.00) Blts (100,.10)

CONQUEST 97 **—††† Exh. Com. Brilliant,

light salmon pink with cream blotch. Considerably lighter than Aladdin, somewhat lighter and cleaner color than Millie Parks. Nicely ruffled but well expanded florets, 5½ to 6 inches dia. 6 or more open. Makes highly satisfactory, saleable spikes from No. 4M bulbs. Dig late to get a fine crop of mature bulblets. Best recent Introduction, Conn., '37 and same at fortnightly meeting N.E.G.S., Aug. 8, '37, Wellsville and Mich., '39. L.20 M.15 S.10 Blts (100,1.00)

HARRY PERIAM (E. Both) 85 **—†††

Exh. Com. Rosy salmon pink, sometimes lightly flaked deeper, conspicuous cream throat—slightly creased mid ribs marked cream. Well expanded florets are held rigidly on a tall, thin, wiry but strong stem. Three years growing experience with this variety convinces us that it is an eminently satisfactory commercial prospect. Eight open, 5½ inch, 20 buds for us. L 1.00 M.60 S.40 Blts.10 Stock limited.

KING OF HEARTS (Salbach) 93 ***—††† Exh. Com. Patented. One of the 4 or 5 varieties capable of growing florets over 8 inches dia. Color just about true salmon, RO4 on Fischer Color Chart; Light coral red with carmine line in throat, Ridgeway. Wide open, round florets, 7-8½ inches, 7-9 open, 16 buds, flower-head 30 inches, spike 60 inches. Habits ideal both as Exh. and Com. Patent restrictions are same as specified in description of Golden Goddess. E. Bay, '38, '39. Our first, section champion and runner up for Grand Champion at Ohio, '39. Rates 9th (all colors) in Ohio symposium. Each L \$2.50 M 1.50. See collection at end of variety list.

MISS NEW ZEALAND 93 ***—†††† Exh. First offered in U. S. by Dr. Barber and by us in 1934 at \$30. per bulb. All catalogers scrambling for stocks to list ever since. Color difficult to describe or classify. A deep pink suffused rose with some ground color of dark apricot salmon. A distinctive throat of color of a ripe peach. We have grown long spikes with 10 open florets, as many more in bud, the three lower florets a full 8 inches diameter, the other seven tapering off to 7 inches. Excellent substance, straight spikes, powerful grower, acclimates easily and a good propagator even from large bulbs. Abandoning long list of awards for a fresh start. See Champion Bloom records ahead. Only Picardy and F. J. McCoy have records as good. Ohio, Mich., N.E.G.S., Winnipeg, Wellsville, Wisc., E.N.Y.G.S., and our "best spike, mammoth type", Md., also Grand Champion N.Z.G.S. (2nd day) and at Launceston, Tas., where it was shown with 12 open, all '39. 15th in Ohio symposium. See illustration. L.10 M.06 S.03 Blts (100,.50)

PICARDY 90 **—††† Exh. Long, straight spikes of clear light salmon, not far removed from apricot buff. Has been considered the world's most popular glad for about 5 years, and so often grand champion spike that we refer you to our page recording grand champions to conserve space. Easy propagation makes the price seem ridiculous and a waste of time to bother with bulbs in the smaller sizes. In '37 our ranking Ohio amateur exhibitor, Mrs. J. Sherwin, won the 3 spike and 10 spike vases in the open div. of the Canadian national show with spikes of Picardy that fairly startled the Canadian folk, though Picardy is "at home" up there. One of our 3 winning spikes of Picardy in the Ohio '38 show was Com. Sectional Exh. champ but it failed to beat our spike of Dazzler for Grand Champion. 1st in N.E.G.S. and 2nd C.G.S. Symposiums and tops color class in both. See records of champions. L.05(100,3.00) Blts (100,.10)



MISS NEW ZEALAND (7 inch florets)

QUEEN HELEN II 98 *—†† Dec. Color deep shrimp to apricot orange, prominent yellow blotch. Excellent cut flower habits. Does not burn in hot and dry climates. 6 open, 18 total buds. A good propagator, a worthy variety, though it has been unable to secure many awards at the shows in this, the most highly competitive color class. L.06(100,4.00) M.04(100,2.75) S.02(100,1.25) Blts(100,.20)

DEEP PINK

CALIFORNIA (Salbach) 95 ***—†† Exh. Patented. A real giant. Color somewhat similar to F. J. McCoy but better and twice as large. Pure geranium pink with a blotch of begonia rose but slightly deeper, result close to self color. 42 inches tall, long flower head, good substance. Rapid propagator. Florets round, slightly ruffled, up to $7\frac{3}{4}$ inches as shown and measured by the judges, E. Bay, '38 where it was the winning seedling and won the American Home Achievement Medal. Patent restrictions are same as specified in description of Golden Goddess. Each L \$2.50 M 1.50. See collection at end of variety list.

FRANK J. McCOY 105 **—†††† Exh. Immense, tall, strong spike of pure pink. Surely, we put this variety on the map. Way back in '31 when we registered the first win for it at the largest gladiolus show in history (over 7000 entries), A.G.S. at Cleveland. Our customers (and we) have been winning with it ever since. $5\frac{1}{2}$ inch florets, 12-15 open, 50-60 inch cut spikes carrying 22-24 buds. Nearly all of the grand champion spikes attributed to this variety in our page of records ahead were produced from our bulbs. Beside blue ribbons in color class, it scored for most open at Wellsville, Utah, most buds and blooms, Ohio, and grand champion at Ames, Sioux City and C.G.S., all '38. 1st, Ohio, section champ Iowa, most open Wellsville, grand champion Conn., all '39. Second only to Picardy in number of grand championships. L.06(100,4.00) M.04(100,2.75) Blts (100,.25)

"Bulbs came packed as if for a trip to Little America. Last season the Frank McCoy were by far the best glads I ever raised." 2-8-'37. B.L. W., Roanoke, Va.

"Thanks for generous overcount on the McCoy's and Mary Elizabeth, also the quality of the bulbs. Hot weather brought my McCoy into bloom mostly before the show. Had many with 14-16 open and 10-12 buds above that. However, I won the amateur sweepstakes, my McCoy was grand champion of the show and my Mary Elizabeth was 'most beautiful bloom in the show'. This was my first attempt at the Canadian National shows." 10-8-'38. H.K., Port Elgin, Ont.

FROSTPINK ornatus 72 *—†† Dec. A Champion first time shown. Soft, medium values of pink, modulating into general effect of "Frostpink" (Textile Color Card Ass'n. of U. S.). No other markings. Intensely ruffled. Superb cut flower traits. Florets $4\frac{1}{2}$ - $5\frac{1}{2}$ inches, 5-7 open, 15-18 bud, 4 ft. high. Good propagator. Florets open slowly and make the most lasting spike within our knowledge, both in the field and when cut. Spikes cut at any stage after first color open out beautifully to the tip. Decorative color, form, placement and ruffling combined to better effect than we have ever had the pleasure to see in any other one gladiolus. 1st for us as best Dec. Type Seedling and Sweepstakes award as Grand Champion Seedling of all types, two blue ribbons and third leg and permanent possession of the \$50.00 Home Savings & Loan Silver Seedling Trophy, Mah., '33. Our 1st, Ind., our "best basket", using a few Pelegrina for harmony, Ohio, after winning with same combination at Mah. for "best vase, 12 spikes most harmonious color combination", all '38. Three 1st for us at Ohio, '39 for spike, most ruffled and arrangement. L.25 M.15 S.10, Blts (10,.25)

"Frostpink is really one of the most beautiful glads on the market. I used it to the limit in hybridization." 1-29-'38. W. C. K., Oconomowoc, Wis.

PEGGYLOU (Wilson-Evans) 90 **—††† Exh. Com. Smooth, deep shrimp pink, with a slight rosy cast and a slight peppering of deeper rose in the throat. Undoubtedly classifies as a self color. Secured from same seed cross which produced Picardy. Apart from the color change, the only variations from Picardy we can discover are somewhat rounder florets, slightly shorter stems, considerably longer flowerheads. Produces wonderful blooms from M and S bulbs. Though we introduced this variety but two years ago, its fame is already secure. See Grand Champion Records on page 6. Prize winnings far too fast and furious to record any longer. In '38 some 30 odd firsts, A.M., Md. and 4 grand championships. In '39 at least 43 blue ribbons, 5 sectional and 2 grand championships. We had so many spikes of grand championship caliber at the Md., Mich. and Ohio shows that the visitors were simply stunned. The length of these massive flowerheads (30-36 inches) is simply astounding. Our wins, '39 at Md.: 3 spike, 1 spike open, best basket, best vase (12 spikes), latter being also "Champ. Vase of the Show." At Ohio: 1st Recent Intro., best arrangement, best floor basket. At Mich.; in 3 spike and Recent Introduction section, the latter being section champion and Grand Champion. Heads the Ohio symposium! L.25 M. 15 S.05 Blts (.02; per 100,1.00) Prepaid prices per 100, No. 1 to No. 6: \$20.00, 16.75, 13.25, 10.00, 6.75, 3.25.



PEGGY LOU
(from No. 3 bulb)

"When I dug Peggy Lou, it looked as though they had been rolled in glue and plastered with bulblets." 10-10-'39. O.P.S., Athens, Mich.

"No doubt you will be interested to know that the No. 3 bulb of Peggy Lou I purchased from you produced the spike which was judged grand champion of the East Bay Exhibition, just over." 7-26-'38. F.F.L., Cotati, Calif.

"The blooms in our Peggy Lou basket that won first prize were cut from the No. 5-6 bulbs we purchased from you. There were about 60 baskets competing and Peggy Lou got lots of notoriety." 10-29-'38. H.G.P., Grants Pass, Ore.

"We never saw Peggy Lou 'till we walked into the show last summer at Grants Pass. Well, it just about took me off my feet. I like it very much." D.S.P., Eugene, Ore.

"We think your Peggy Lou a grand exhibition and commercial variety and gave it a good write up in our catalog. Believe it will go over in a big way." "We regard your Peggy Lou as the outstanding U. S. introduction of last season and probably the greatest exhibition and commercial variety introduced since Picardy in 1931." The above from two large U. S. catalogers.

"You who admire Peggy Lou,—you should see it grow en masse as I did. The sight is astounding."

"The Ohio Society showroom, '39, was filled with many of the most wonderful blooms that it ever has been my lot to see." A. J. Amsler, in Nov. '39 Iowa GLAD WINNOWINGS.

PINK SELECTION 98 *—†††† Exh. This variety will undoubtedly join the ranks of famous "Sports" such as Marmora and Betsy Bob Up. A delicate pink with deeper blotch. Flowerhead and growing habits as Our Selection, from which it sported. Few words, but they say a lot and will mean still more as the variety becomes disseminated. Grand Champion, Tasmania G.S., (Feb.) '38. L.30 M.20 S.10 Blts (100,2.00)

SUMMERWEALTH (Heemskerk) 90 **—†† Exh. Com. Very large, wide open, round 6 in. florets of deep, shining pink. A very promising cut flower. L \$1.00 M.60 S.40 Blts .10

LIGHT ROSE

AMETHYST 94 *—†††† Exh. Lilac, lavender rose pink, bordered deeper, White center line on each petal. Ruffled. 8-12 open. Bit short in stem but long flowerheads. Highly desirable cut flower habits and we think bound to become increasingly popular. N.E.G.S., '35. Cedar Rapids, '38. L.06 M.04 S.02 Blts (100,.20)

CHAMOUNY (Baerman) 90 *+††† Exh. Brilliant, light rose pink, deeper throat. Round florets slightly ruffled. 7-8 open on a good tall spike. Exceptional color values. Each L \$2.00 M 1.25 S.75 Blts (100,3.00)



PEGGY LOU
(Produced from No. 5 bulbs)

CHANGEABLE SILK (Baerman) 95 *—††† Exh. A flesh toned rose pink with a silvery sheen, producing an extremely beautiful color. Round florets, slightly ruffled, 7 open on a long spike. We forecast popularity without hesitation. Each L \$6.00 M 4.50 S 3.00 Blts .75

DR. DENTZ (Clingendaal) 80 ***—†† Exh. Com. Giant round, wide open florets. Excellent commercial color of fresh, pure rose. Has secured all the awards which can be obtained from the Dutch society, including F.C.C. and has an A. M. from the B. G. S. L.75 M.50 S.25 Blts .06

EXCELL (E. Both) 85 **—††† Exh. Perfectly clear, rosy pink, with white line through center of each petal, except that lip petal is clean white, surrounded by a thin edge of the rosy pink. 5½-6 inch florets, 8 open (we have had 12). Lots of bud color. Without our high winds of last August we might not have noticed that the attachment of floret to stem may not be as strong as could be desired. This is the only feature that could possibly keep Excell from becoming a fine commercial as its color value is beyond any possible criticism. If you are looking for a genuine beauty, here it is.

1st and Champ. Vase, all colors, So. Australia G.S., both '36 and '37. Each L \$2.00 M 1.25 S.60 Blts .20

EXQUISITE (Both) 85 ***+††† Exh. Com. Slightly ruffled, unique shaped florets, beautiful, medium depth of rose pink with a harmonizing cream blotch. Extra tall spike, simply towers over most of the noted tall ones in commerce. Often over 6 ft. P.G. style of spike from field grown young bulbs but Exh. spikes when well grown from L bulbs. Eight 6 inch florets open are quite an easy matter with this one. 22 buds. Fairly good propagator. Two 1st at S.A.G.S., '37. Each L \$5.00 M 3.00 S 1.50 Blts .05 Prices net, no discount.

FESTIVAL QUEEN 105 ***†† Exh. Rosy, geranium pink, soft carmine feather on lip petals. Immense, round, well expanded florets over 6 inches dia. 5-6 open, around 16 buds. Placement and facing is consistently good. Has been in the market several years but the price heretofore minimized dissemination. Gold Medal Calif. Flower Festival as best new flower (all kinds of flowers), '33. Each year we have grand blooms too late for the shows. L.10 M.07 S.05 Blts (100,.50)

RIMA 85 **—††† Exh. Com. Smooth, pastel blend of very light lilac rose pink, graduating toward very pale yellow in the throat. Florets around 6 inches, 6-7 open, 20 bud, spike tall, strong and wiry. Substance and delicate pastel color values indicate high commercial quality. Metro., '37. Conn. and Yakima, '38. Grants Pass, Wisc., E.N.Y.G.S. and our 1sts Ohio and Mah. (2nd show), '39 L.40 M.25 S.15 Blts (100,2.00)

ROSA VAN LIMA 77 *+††† Dec. Com. The finest, bright, light rose pink we have ever offered. Has a harmonizing small spot of deeper orchid violet. A real apple blossom pink. The color we growers and florists have hoped to see in a gladiolus coupled with 100% satisfactory commercial cut flower habits. Destined to achieve great success in the gladiolus industry. Won two blue ribbons for us at Mich., two and section champion for us at Ohio and one at Mah. (2nd show), all '39. The spike in our illustration opened as shown in the field but one or two less open comes nearer the average performance in the field. Excellent propagator and our introductory prices warrant your immediate consideration. L.50 M.30 S.15 Blts (100,5.00)

SALBACH'S ORCHID 88 **—††† Dec. Lavender pink rose. Just the shade of Cattleya orchid. Good commercial qualities, able to stand the hottest sun without fading or wilting. We registered the first win for this variety at the big A.G.S. Cleveland show, '31. Now leading its color class in the N.E.G.S. symp. We clear the slate of awards, picking up Mah., Ames and Pa. for '38 for a fresh start (and harder, with Excell, Rima and other new ones coming into the field). Ohio, Mich., N.E.G.S. and Utah, '39. L.06 (100,4.00)

SOUTHPORT 96 *—††† Exh. Frequently deserves two stars for size of florets. Color a smooth, light, lilac rose pink, self color. Makes a long flowerhead with 10-12 open blooms on medium long stems. Excellent color value and at least among the best 3 or 4 of the many fine glads introduced by Mair, Scotland. B.G.S., '35. Ia., '37. Regina, '38. Tops the medium and deep rose color section, C.G.S. Our 1st Mah. (2nd show), '39. L.15 M.08 S.05 Blts (100,1.00) Stock limited.

"The seeds I bought from you germinated very well and I have a good supply of bulbs that will keep my interest at a high pitch." 12-1-'39. L.W.C., River-ton, N. J.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.



ROSA VAN LIMA

"The way you have set your catalogue up, it is in fact a guide book, particularly to those who like to exhibit blooms at the shows." I would think that you would have a most loyal following among your readers from year to year.

"I thought that your note on bulb surgery was especially good. I think that information should be passed on to all Gladiolus fanciers." 1-19-'39. P.F.F. (Editor of a National Hort. Magazine).

"While at the Customs last spring, one of the Customs men showed me some of your heavy, young jumbo bulbs. They were extra good bulbs and if your stock is all like those I want 50 each of the following 14 sorts" etc. 11-22-37. T. F., Winnipeg, Manitoba.

Sequel. "Made 7 entries at Minn. show, got 6 firsts, (3 were in "Court of Honor") and 1 second. Also collected 9 firsts, 6 seconds and 2 thirds here at Winnipeg, largely with your fine, heavy bulbs." 10-1-'38. T.F., Winnipeg, Manitoba.

"Your heavy young bulbs did more than their share in winning the Amateur Point Achievement for me. And the C.G.S. annual you so kindly secured for me was fine and their symposium a great help in deciding what varieties to grow." 11-21-'38. M. B., Chelsea, Ia.

"After seeing your exhibit at the Great Lakes Exposition here in Cleveland, I have scrapped all the bulbs I had and herewith my order to replace them with these better varieties." 3-8-'37. B. A. F. (Wholesale Florist) Cleveland, Ohio.

DEEP ROSE

GOV. PINCHOT 75 *—††† Dec. Dark rose self. Color value very great as little supplied in gladiolus. One of the best of Kunderd's new ones. Strong grower and good propagator. Excellent blooms from S bulbs. Medium height. Not what is called tall or stretchy. (Am.) N.E.G.S. and Yakima, '37. Ind., '38, Md., Mich. and our 1st Ohio, '39. L.10 M.06 S.03 Blts (100,.25)

HARMAU (Both) 78 **+††† Exh. Com. Orange shaded rose doree with scarlet blotch (Ridgeway). We would call it a very beautiful pastel shade of clear, deep orange pink with soft scarlet blotch. Tall, wiry stem. Large florets, slightly hooded about as Picardy and Peggy Lou. Tremendous propagator, blooms more freely from bulblets than any variety we grow and we predict a wonderful commercial future for this glad. and a number of expert growers overseas consider Harmau the best Australian release to date. Six firsts, champion vase and show champion Prim Grand (Picardy runner-up)

S.A.G.S., '38. The unusual color, massive spike, powerful growth from small bulbs and bulblets probably mark Harmau as our best introduction since Peggy Lou. Our two crops assure full acclimatization and we offer you this fine variety a year ahead of normal time for release. Each L \$5.00 M 2.50 S 1.25 Blts .50 Prices net, no discounts.

LEONA 90 *—††† Exh. Clean, rich rosered, slightly ruffled. For us the best performer among Mr. Pruitt's '38 releases. Our spikes were admired by all who saw them. The color is much darker than other varieties here listed, not far removed from dark red in depth of color. Our 1st best red recent introduction, Ind. and a first at Sioux City, '38, Ohio and Ill.. '39. L.10 M.06 S.03 Blts (100,.25)

RED LORY 90 *+††† Exh. Carmine Rose, mottled bright orange. Crimson on lower and cream on upper section of throat. Hardly a wonderful color harmony, but makes spectacular spikes with 12 open. Might need staking if bloomed in very hot weather. N.Z. growers claim it has won more champion certificates there than any other. (Am.) (Dr. Pease) A.G.S., '35 and at Ill., '36. Grand Champion, East Bay, '36. 1st and most open A.G.S., N.E.G.S., (Am) Mich., Conn., Ia., (both) Calgary and Yakima, all '37. Ames, Conn., (Am.) C.G.S., Mah., Mich., E.S.G.S., Ohio, E. Bay, our 1st Ind. and our best floor basket, Ohio, all '38. Tops color section, N.E.G.S. symp., Mich., C.G.S., Grants Pass, E. Bay and Pa., '39. L.06 (100,4.00) M.04 (100,2.50) S.02(100,.1.25) Blts (100,.20)

ROSALIE (Burgess) 96 **+††† Exh. Com. This new Australian glad has deep color tones. Wine red with carmine marking on cream throat. Makes tall, powerful spikes of true Exh. type, large florets well placed in double row formation, 8-10 open. Easy grower and good propagator. A spectacular glad. A.M. Burnley Test Gardens. We started its American winning career at Mich., '39. Prices very reasonable. L.25 M.15 S.10 Blts .02

PURPLE

CHARLES DICKENS 93 *—†† Exh. Violet purple. Tall. Fine cutting spike. Voted best purple, C.G.S. last 3 symposiums. 10 firsts in various shows we are reporting, including Ohio and C.G.S., '38, Ohio, C.G.S., E. Bay, Wellsville and section champ Mich. and Wash., '39. L.06(100, 4.00)

PURPLE BEAUTY (Roozen) 88 **—††† Exh. Com. Shinning purplish violet. Self color. Extra large florets of strong substance. Spike is tall and well formed. We consider this the best purple we have so far discovered, by a wide margin. N.E.G.S., Wisc. and our 1st Mich., '39. L 1.00 M.60 S.40 Blts .10

RAMESSES 90 ***—†† Dec. Aster purple, pomegranate blotch on white. Extremely large florets with long, pointed petals. Peculiar ruffling and orchid appearing. One of the tallest glads we offer. Very decorative in combination with lavenders. Ind., Ohio, E. Bay, Sioux City, Cedar Rapids and Ia. state, all '38. L.06(100,4.00) M.04(100,3.00) S.02(100,1.50) Blts (100, .15)

STAPLEFORD 95 **+††† Exh. Immense, round florets of clear, bright purple with pronounced, clear white blotch. Tremendous flowerheads with 10-12 florets open. Tall, strong, well foliaged plant. Slow propagator. Stock very limited. Auckland G.S., '36. Ind., '38. L.40 M.25 S.15 Blts .04

TAKINA 90 ***—††† Exh. Rosaline, lilac purple. Lightly flaked a darker shade. A spike of Takina on our winning "Connoisseur" display at the national show, Akron, '36, created a commotion. Has been exhibited with 8¾-inch florets, 9 open and has been grown to a height of 7 feet. Our blooms have reached 8 inches with 7 open. close to 6 ft. high. F.C.C., N.Z.G.S., '34. Auckland G.S., '36. Ames (Ia.) and Yakima, '37. Ohio and Regina, '38, Wisc., Grants Pass, '39. L.10(100,6.00) M.06 (100,4.00) Blts (100,40)

LIGHT VIOLET

ALLEGRO 80 *+†† Exh. Light lavender-blue. Two dark blue blotches ending in white arrow points. Good cut flower habits and one of the very best performers in our fields. Scarce. F.C.C., Haarlem, '33. 9th rating, C.G.S., '38. Our 1st, A.G.S., '37. Calgary (Sept. show), '37. Ohio, E. Bay, '38. L.25 M.15 S.10 Blts (100,2.00)

AVE MARIA 83 *—†† Exh. Unmistakably blue toned. Small purple blotch. Has great vigor and bulbs are very disease resistant. Blooms comparatively early. Fine cut flower habits. Newcomers are edging it now, for popularity. Still can win. Pa., Ames, Sioux City, Cedar Rapids, Mah., Conn. and our 1st Ohio, all '38. Minn., Wellsville, E.S.G.S., C.G.S. and Pa., '39. L.06(100,4.00)

BLUE BEAUTY (Blaue Schonheit) 80 *—††† Exh. Medium light blue with edges of petals overlaid violet blue. Throat somewhat lighter on upper petals, darker on lower containing a small white mark, V-shaped. Large, wide open florets, 8 open, 20 buds, on a long, strong spike. F.C.C., Haarlem. Won Certif. of British G.S. offered at Haarlem, '36, for champion bloom of the show. First blue in history to achieve show championship. Now 7th in C.G.S. symp. and tops its color section. E. Bay, '38, Grants Pass, Utah, Snohomish Co., '39. L.12 M.08 S.05 Blts (100,.50)

BLUE WONDER (E. Both) 95 *—†††† Exh. Medium light blue violet 5 inch florets, 10 to 16 open, 23 buds, 55 inches tall. Placement excellent, substance good, foliage up to 3 inches across. If flower is bloomed out in hot weather in garden we suggest staking so massive a spike. This variety won Champion bloom as a seedling in the South Australian G.S., '35. We register the first win with Blue Wonder at Ind., '38, Ohio, N.E.G.S. and our 1st Md., '39. L.40 M.25 S.15 Blts (100,1.25) Stock limited.

JOSEF HAYDN 90 *+††† Exh. Light heliotrope-violet with spectacular dark blue violet blotch. Florets are large, wide open, of heavy substance and well placed on slender but straight stems. This variety offers a genuine novelty color combination of great charm. Tall. May crook in hot weather. E. Bay, '39. L.60 M.40 S.20 Blts .06 Stock limited.

"Everything I bought from you has been top notch and the glads' you sent me gratis have been worth what I paid for the others." 7-6-'37. Prof. E. M. S., Sacramento, Cal.

RAYSHEEN 80 *—††† Dec. Com. Delicate, soft tones of medium light blue violet, with slight deeper feathering and a small, soft yellow mark on lip petal. Very vigorous grower and best propagator we have ever discovered among the blues. We have reports of some crooking in extreme weather and a few did for us but this variety consistently gave us the largest flowerheads of any in this color section. Our 1sts at Ohio and Ind., '38. Three 1sts Ohio (one ours) and our 1st Mah. (2nd show), '39. L.15 M.10 S.05 Blts (100,.80)

DARK VIOLET

BLUE ADMIRAL 95 *—††† Exh. Com. Clear, deep violet. Sturdy spikes, tall and straight. Tops color section in C.G.S. symp. Ia., E. Bay, Cedar Rapids, Ames, Mah., Mich, and Pa., '38, Mich., N.E.G.S., E.S.G.S., '39. L.06(100,4.00) Blts, (100,.15)

PELEGRINA 85 *—†††† Exh. Velvety, dark blue violet. 10-14 open and entire balance of long spike in color. Often 15-20 buds show color before first floret opens. Despite a stem we would prefer a bit stronger, it has achieved world wide popularity. Stands 9th in N.E.G.S. symp. and tops its color section. Ind., E. Bay, 3 Ia. shows and our 1st, Ohio, '38. Pa., Wellsville, E.S.G.S., E. Bay, '39. L.06 (100,3.60) Blts (100,.10)

RUDOLF SERKIN 90 *—††† Dec. Pure, dark pansy blue of a strong shade which does not fade. Round petals, well expanded florets. This is Pfitzer's own improvement on Pelegrina in color, size and texture. F.C.C., Haarlem, '35. B.G.S., '35. Metro. (NYC), '35. To see it is to want it. Very scarce. At the Metro., '37 show it won a sweepstakes of designation new to the glad shows, namely "Most Beautiful Bloom in the Show." Ohio, '38. L.20 M.12 S.08 Blts (100,1.25)

TUNIA'S BLUE (E. Both) 110 **—†† Exh. Dark blue violet, about a shade lighter than Pelegrina. Some feathering of white. Vigorous grower. Largest floret among the blues. Average propagator. L.50 M.30 S.15 Blts .05

YELLOW

AMBERGLOW 77 *—†† Dec. Soft, but brilliant, clear unmarked amber yellow. Its color value at once removes it from the commonplace and its fine cut flower habits join to give it high ranking. 7-8 open, 16-18 buds. Early. Ia., '38. Our 1st Ohio, '39. L.20 M.12 S.08 Blts (100,1.25)

BETSY BOB-UP 110 *—††† Dec. A Betty Nuthall sport. Identical habits, so would be bound to "go places" even if of inferior color. But this break produced a rugged gladiolus in a much-needed color-smooth, primrose yellow, beautifully overlaid with a delicate peach pink, which diminishes as the florets open up the spike. Though only introduced in 1936, prices are already reasonable, due to Nuthall propagation habits. Ill., '35. Our 1st, Ohio, '38, Ohio and our 1st Mich., '39. L.06(100,4.00) M.04(100,2.25) Blts (100,.20)

DOX (Pfitzer) 90 *—†† Exh. Com. A clear light amber yellow, lip petals golden sulphur. Tall, strong growth and rather large floret. A.M., Haarlem. B.G.S., '37. Grants Pass, '39. L.12 M.08 Blts (100, 1.00)

GOLDEN GALLEON (Mason) 82 **—††† Exh. Com. Light yellow. Color and ruffing about as Golden Chimes. But, with us, No. 4M bulbs, well grown, make spikes approximately as Golden Chimes at its best from young jumbo bulbs. Golden Galleon, from L bulb, makes spikes up to 6 ft. tall, often with 2 and 3 sides spikes with 8-14 buds per side spike. 59 total buds we have had on a single spike. Florets larger than any yellow we have seen (except our seedling 73395), about 6 inches 7-8 open on long flowerhead. Plant makes powerful growth. Good commercial cut flower habits, including fairly good propagation. Many know it as "Mason's Yellow Seedling." Our 1st, Ohio, also amateur section champion, Ohio, '39. Each L \$1.50. Prices net, no discounts.

GOLDEN GODDESS 95 —†††† Exh. The first patented gladiolus (U. S. Plant Patent No. 77). Clear, deep monotone yellow. Consistently makes long, compact flowerheads with about 12 open florets and a total of about 22 buds. Color is richer than that of the other yellows listed. Florets larger than those of Golden Dream, flowerhead longer, stem shorter. We have grown this variety 6 years and are satisfied that the color value is outstanding. Together with 3 national seed houses and a few gladiolus growers, we are licensed by the Patentee, Carl Salbach, to sell Golden Goddess. Bulbs will be supplied only upon the express condition that they can be grown for the personal enjoyment of purchaser, but that no bulb or bulblet stock may be resold, leased, given away or in any way transferred without the written consent of the Patentee. Detroit, '35. Winnipeg, '36. Ind. and (Am.) N.E.G.S., '37. 1st at 3 Ia. shows and A.M., E. Bay, '38. Pa., Mich., Ohio, C.G.S. and E. Bay, '39. Now obtainable in quantity at reasonable prices. L ea.10 3-.25, 6-.50, 12-.90, 25-1.75 M ea.-.06, 6-.30, 12-.60

JIM HOLLAND (Both) 110 *—††† Dec. Com. The color of this new sport of Betty Nuthall with us is definitely clear light yellow with the regular Betty Nuthall throat scratches. The color is much closer to true yellow than that of Betsy Bob Up and entirely lacks the pink combination of the latter. The clarity of yellow color, coupled with Nuthall growth and propagation habits are bound to point this new glad into show and commercial paths. Each L \$1.50 Blts .15 Net Prices, no discounts.

JONQUIL 75—†† Dec. Clear, very deep yellow. Tall, straight spikes. Early. 6-8 open. N.E.G.S., '37. Ia., '38. Section champ., Iowa, '39. L.06(100,4.00) M.04 (100,2.50) Blts (100,.25)

LOUIS D'OR 88*—† Dec. Very deep bronzy yellow with apricot shading. 6 open. Strong, straight, slender spikes High color value. (Am.) A.G.S. '37, Grants Pass, '39. L.10 M.05 S(100,2.50) Blts (100,.50)

SIR GALAHAD (Salbach) 95 **+†† Exh. Patented. Soft, rich, clear creamy yellow with a diamond shaped blotch of rich crimson, in beautiful contrast. Words fail us to describe its unusual beauty. Six 6 inch florets wide open, a bit recurved, 18bud. Tall, strong spikes with long flower-head. Patent restrictions same as specified in description of Golden Goddess. Each L \$2.50 M 1.50. See collection at end of variety list.

ORANGE

(Incl. yellow orange and red orange)

BIT O' HEAVEN 90 — †††† Dec. Clear orange, soft yellow throat. Florets pretty small for a shoulder high glad but it appears self supporting and withstands bad weather and soil conditions. Florets not much above 3 inches, somewhat hooded, 8-10 open, about 22 buds. No. 20 C.G.S. and No. 15 in N.E.G.S. symposiums and tops its color class in each. Mich., Ia., C.G.S., Regina and our 1st Ind., '38. Ohio, C.G.S. and Wellsville, '39. L.10 M.06 S.03 Blts (100,.30)

DAZZLER (Both) 80 **+†††† Exh. only. The greatest dazzler for color we have seen. We never thought we would ever see a glad of scarlet orange that could match Pfitzer's Triumph. But this is vivid dazzling scarlet orange with darker blotch. Slightly ruffled. 5½ inch florets, 9-10 open, 22 and more buds. Full double row Exh. type placement. Flower fades in the sun so it is not a commercial type.

But what a "humdinger" for the show bench or home use if blooms are opened indoors! A spike selected from our commercial display at Ohio, '38, not entered in competition, was unanimously chosen by the judges as Grand Champion Bloom of the Show, winning the American Home Achievement Medal and the N.E.G.S. Purple Rosette. Our 1st also Ind., '38. Our 1st Md., '39. Sorry to state stocks are very scarce. Each L \$5.00 Price net, no discount.

DIANE (Krueger) 94 **+†† Exh. Smooth salmon orange with clear cream throat. We have not bloomed this from large bulbs but the color value induces us to offer it. Wisc., '38. L \$3.00 M 2.00 S 1.25 Blts (10,2.00)

JOH. S. BACH 78 **—†††† Exh. Orange salmon, shading bit lighter in throat. White median lines. Tall and strong. Huge, well arranged flowerhead. 10-12 open at once. The earliest, extremely large flowering sort within our knowledge. A.M., Haarlem, F.C.C., British G.S. Shown in Wash. with 14 open to win, '35. Champion bloom of show, Vancouver, '35. N.E.G.S., '36. E. Bay, N.E.G.S., Conn., (Aug.) Calgary, B.G.S., grand champion Wash., all '37. Ind. Ohio, Mich., Regina and reserve champion Calgary, all '38. Wash. and Wellsville, '39. L.08(100,5.00) Blts (100,.40)

LA FIESTA 90 *—††† Dec. Bright orange. Deeper in throat. Tall, strong, wiry stem. Color a large improvement on the popular Senorita, with much taller spikes and better placement. A coming "cut flower." Rapid increaser. Large blts. We have had spikes with 12 open florets. Also 5 ft. spikes from small bulbs. We registered its first win at A.G.S., '36. Has A.M. from B.G.S. and E. Bay. Section champ., Pa., '38 and Wisc., '39.

		Large	Medium	Small
Per	1	.15	.10	
	3	.30	.25	.15
	6	.55	.40	.25
	12	1.00	.70	.40
	25	1.85	1.25	.75
	100	6.50	4.25	2.40

MRS. H. BROMLEY AMBLER 95 — †† Dec. Orange chrome, an intense shade of orange not found in any other glad. Valuable color for decorative use. Florets about 4 inches. Will not fade, bloomed indoors in light. Fades some in sunlight. Most intense oranges do. Our 1st Md. and Ohio, '39. L.08 M.04 S.02 Blts (100,.25)

OLD GOLD (Both) 85 **—†† Dec. Com. Slightly lined or feathered blend of light, medium and deep old gold. Slightly hooded. Medium height, good flowerhead. Perhaps this is the perfect autumn tint you have been looking for. Our blue ribbon, Mich., '39. Each **L** \$1.50 **M** 1.00 **S**.50 **Blts** .15 Net, no discounts.

ORANGE BUTTERFLY 95 —††† Sm. Dec. The only really small flowered variety in the entire list. They average about 2 inches. But, it holds 10 or more open on a long flowerhead, which is very unusual for this type. The color is a rich, glowing, bronzy orange. And, unlike most of the small flowered sorts, the substance of the florets is excellent, though there may be some crooking of the stem in extremely hot weather. Commonly champion bloom of the Small Dec. section. Too many to list. **L**.06(100,4.00) **M**.04(100,2.50) **S**.02(100,1.25) **Blts** (100,.20-M,1.00)

PINOCCHIO (Evans) 75+†† Med. Dec. Com. A true Novelty gladiolus. Color is a novelty blending of pink, yellow, green, orange and red without emphatic preponderance of any one of these colors. At a distance the yellow, orange and red give it a prevailing orange tone and thus it is classified as orange. Perhaps "any other color" might be correct. Florets are of heavy texture, 3½-4 inches, are round, wide open, intensely ruffled and fluted. Placement airy on stretchy spike 50 inches high. Flowerhead 24 inches on wiry stem well above the foliage which is a bit short. Good propagator, large bulb-lets, most of which bloom. On its first appearance in the shows it won 1st, 3 spike Dec. seedling, Section Champ. Dec. seedling and A.M. (84½ points) at Ohio, '39. Each **L** \$3.00 **M** 2.25 **S** 1.50 **Blts** .40 Net, no discounts.

TREASURY GOLD (Wilson-Evans) 95 ***—†††† Exh. Com. (Registered). Ridge-way: Capucine Orange with a slight tendency toward Chamois (buff orange). Fischer Chart; somewhere between 04 and YO4, probably nearest 04. This makes a truly giant spike, as stretchy as Peggy Lou, with flowerheads about 34 inches, 25 buds. The spike towers 68 inches in the field. Florets are plain petaled, wide open, 6 inch dia., 10 open. Strong plant, tall, darkgreen foliage. Placement averages good. At its show debut 3 cut spikes towering 60 inches high, just as here described, were exhibited at Wellsville, '39, judged Champion Seedling, winner of American Home Achievement Medal and was reserve champion bloom of the show. Other than the mechanical hazards to any glad growing over 5 ft. tall, we have discovered no alloy in Treasury Gold. We are pleased to become co-introducer with Mr. Wilson (who also originated

Peggy Lou) of this giant, soft, self colored glad. Each, Sizes 1, 2 or 3, \$3.00. Sizes 4, 5 or 6, \$2.00. **Blts** 1 lot of 12 blts obtainable for further sum of \$3.00 with each \$3.00 bulb purchased. 1 lot of 8 **Blts** obtainable for a further sum of \$2.00 with each \$2.00 bulb purchased (i.e., one **L** bulb and 12 **Blts** for \$6.00) Prices strictly net, no discounts whatever.

SCARLET & LIGHT RED

BEACON 90 *+†† Exh. Brilliant, clear colors. A rather dark rose, approaching scarlet. Pronounced creamy blotch. Florets slightly waved and ruffled. 8 or more open. Tall, straight spikes. Color is both distinctive and striking. If you are looking for a "showy" glad, with color of "quality" thrown in for good measure, here it is C.G.S., '37, Ia., '37. Simply leaped into 4th position in the C.G.S. symp. and topping its color section there. A.M. by Md. G.S. Trial Grounds, 1sts at Ind., three Ia. shows, E.S.G.S., C.G.S., Pa. Regina and Grand Champion at Wash., all '38, Ohio, C.G.S., Ill., Utah, E. Bay, Winnipeg, our 1st Mich., Grand Champion Wellsville. 8th in Ohio symposium. **L**.10(100,7.00) **M**.07(100,5.00) **S**.04(100,3.00) **Blts** (100,.35)

LUCIFER 95 **+†††† Exh. Orange scarlet, purplish crimson blotch. Makes a huge plant and spike, often side spikes. Huge florets set well spaced, up to 10 open. Very tall. A.M., B.G.S., 1st at 5 shows Australia and grand champ. R.H.S., Ballarat, '35. Conn. and 2 Ia. shows, '37. Mich. and all 4 Ia. shows, '38. E.S.G.S., Wellsville, Ohio, '39. **L**.06(100,4.00) **Blts** (100,.25)

MAC 93 ***+†† Exh. Metallic, bright orange scarlet, small violet throat blotch. Big, flat, round florets, 6-7 inches dia. with 5-6 open. Has an occasional misplaced first floret and our high winds of gale force last Aug. disclosed some loosening of attachment of floret to stem. Think O.K. for cut flower purposes where distant shipping is not required. Our 1st Mah. (2nd show), our "best basket" Ohio and ranks 7th in Ohio symposium, '39. **L**.25 **M**.15 **S**.10 **Blts** (100,1.00)

MR. C. P. VAN TIENHOVEN (Duijn) ***—††† Exh. Brilliant, glossy, corn poppy red, darker in throat. Has done no crooking for us but understand it does to some extent in the southern half of the northern border states. Up here it should make a semi-commercial with giant blooms at little cost. **L**.15 **M**.10 **S**.05 **Blts** (100,.60)

"Let me congratulate you on the wonderful catalog you put out. I file each one as I consider each as truly a Guide Book." 9-6-'37. I. L. J., Sydney, N. S. W.

MRS. C. P. WORLEY 98 *—†††† Exh. Salmon red, cream throat. Powerful grower, luxuriant foliage, long flowerhead on medium length stem. Size of florets almost warrants two stars. Stock very limited. Md., '38, Ohio, '39. L.30 M.20 S.10 Blts (100,2.00)

ST. EDWARD (Both) 90 **—†††† Exh. Com. This outstanding Exh. and Commercial glad is an orange scarlet with some creamy white in the throat. Has excellent substance, wide open, perfectly formed florets which are slightly ruffled and held rigidly on a very tall, wiry stem. Quite an easy matter to pick a perfect 100% Exh. spike with eight or more 6 inch florets open in double row formation. 22 buds. Medium propagator. While a seedling it was included in the "best 6 spikes" at S.A.G.S., and was Grand Champion at Kensington, '37. Sorry we have so little stocks to offer but this is one year ahead of normal time for release. Each L \$5.00 Price net, no discount.

TUNIA'S TRIUMPH (E. Both) 88 ***—††† Exh. Today the world's most sensational glad. Starting its career, it won the Fallu Cup and Grand Champion Seedling award at the South Australia, '34 show. Australian fans have been spellbound with this flower ever since. The color, light orange scarlet with a sheen approaching metallic bronze, a self color. Florets 7½ to 8 inches, 7 to 9 open, 21 buds. The huge florets are perfectly faced and placed. The spike grows 5 ft. or taller, perfectly straight and the heavy texture enables the florets to withstand hot, drying winds. Makes a strong, well foliated plant that requires no staking. Good propagator, young bulbs producing from 30 to 50 bulblets. With a bold, arresting bloom having every desirable exhibition quality, this variety shows every evidence of being unstoppable. We started its winning career in U. S. with firsts at both Ind. and Ohio, '38. Our 1st Md., '39. Each L \$1.00 M.50 S.25 Blts (12,1.00)

"At our show (S.A.G.S.) Tunia's Triumph with seven eight-inch blooms, perfectly placed, simply dwarfed such large varieties as Mrs. S. A. Errey and its magnetism held the public three and four deep throughout the show." C. H., Torrensville, S. A.

"Tunia's Triumph is the largest glad I have ever grown, though I only managed 6 open." E. J. F., Melbourne, Australia.

"I had a Tunia's Triumph with first floret 8¾ inches across and 8 open." Mr. Menzies (a prominent Victoria exhibitor)

"Tunia's Triumph has already proved a wonderful parent. A number of its seedlings proved very outstanding and are likely to create a sensation when released as you already know." E. B., Adelaide, So. Australia.

"We liked your Tunia's Triumph immensely. It is gorgeous, lovely." 8-3-'38. Mrs. J.R.C., Hayward, Calif.

VELA (Heemskerk) 80 *+†† Dec. Com. Long spikes with beautifully arranged flowers of scarlet red, rosy toned, blotched deeper though not very conspicuously. Very good cut flower habits with us. Excellent propagator, blooms well from the smaller sizes and even freely from bulblets. For us it marks the passing of the good variety, Red Phipps, F.C.C., Haarlem, '37. Certif. of Commendation, (Test Gardens), B.G.S., and our 1sts at both Md. and Mich., '39. L.30 M.20 S.10 Blts (100,2.00)

RED

COMMANDER KOEHL 88 ***††† Exh. Clear, rich, crimson red. Has been considered among the best ten glads for years in spite of a weak tendency in the stem. It is 4th in the N.E.G.S. symp. now, and tops its color section, though nosed out by Rewi Fallu in the C.G.S. We have record of 12 firsts among the shows we are reporting and grand champion at Calgary, all '38. Ten 1sts, including ours at Md., '39. L.06(100,4.00) Blts (100,.15)

HINDENBURG'S MEMORY 90 ***—††† Exh. Com. Deep scarlet red, buds a velvet blood red. Deeper red than Red Phipps or Tip Top. Somewhat lighter than Com. Koehl. Holds 6-7 well expanded florets over 6 inches dia. on a strong, tall stem. Excellent placement and easily the best exhibition variety in the red section. This is Pfitzer's own wonderful improvement on Com. Koehl both in color, size and stem. A. M. Haarlem, '36. Only a matter of time and this will be in any list of "the ten best glads." We have started it on its winning career, Ohio, '39. Each L \$1.50 M 1.00 S.50 Blts .15

REWI FALLU 98 ***—††† Exh. A deep, blood red of very large size, opening 8-10 florets in the field on vigorous plants 5½ to 6 ft. tall. Blooms from blts. frequently. Bloom from the first bulb was champion seedling at So. Australia G.S., '32. We do not hesitate to render opinion that this variety will be sensationally publicized by all who see it. Good propagator. The above is what we said 2 years ago but things have happened since that. It has jumped to the top of the C.G.S. symposium, even ahead of the redoubtable Picardy and, of course, tops its color section there. We are not prepared to admit that this is the world's greatest variety. Time will bring some of the newer ones to the front. But right now you must obtain some stock of this. Cedar Rapids and Yakima, '38. The parade begins. 1sts at Ill., Minn., Grants Pass, Wisc., E.N. Y.G.S., our 1st Md., our 1st Ohio, our blue

ribbons both 3 spike and Recent Introduction section Mich. Grand Champion, Hastings, N. Z. and Wellington, N. Z., all '39. Rates 4th in Ohio symposium. L.12 (100,8.00) M.06(100,5.00) S.03 (100,2.00) Blts (100,.75)

"I got a No. 1 large bulb and 90 bulblets from the Rewi Fallu bulblet I bought from you and a No. 1 large bulb and 65 bulblets from the Shirley Temple bulblet. Fallu bloomed from bulblet but Shirley did not." 11-29-'37. R. J. G., Racine, Wis.

SOUTHERN CROSS 80 **—††† Exh. What a name and what a glad to conjure with! A new, bright red with a comet trail of Australian and New Zealand awards. Self color and perfect placement. Tall and strong. 8-10 open. Good cut flower habits, resisting punishment in the field far better than Com. Koehl. Auckland G.S. and A.G.S., '36. Ia. and Yakima, '37. M.05(100,3.00) S.02(100,1.20) Blts (100,.25;1000,1.50)

WALK-OVER 80 *—††† Exh.** Com. Glistening red, deeper than Tip Top. Huge, round florets, reminiscent of Mac but still bigger. Excellent spikes from the smaller sizes, unlike Tip Top. Excellent propagator. Excellent cut flower habits, as well. B.G.S., '36. Voted best medium-early glad, all colors and types, by Holland Bulb Growers Ass'n, '37. Our 1st Mah. (2nd show), '39. L.75 M.50 S.30 Blts (10,.60)

DEEP RED

BLACK OPAL 92 *—†††† Exh. Deep maroon, somewhat marbled. Makes tall, symmetrical exhibition spikes, 10 open, 22 buds. Good bloomer from the smaller sizes. The prize winning on this new one begins. Ohio, E. Bay, Snohomish Co., E.S.G.S. and our 1st Mich. where it scored 85 points, exceeded only by Peggy Lou. Prices now within reach. L.40 M.25 S.15 Blts (10,.25)

MOORISH KING **—†† Exh. Impressive, long spike, carrying immense, glossy, mahogany maroon florets. Lighter than Morocco but completely eclipsing it in size. Scarce because slow propagator. Blts germinate very unsatisfactorily. A.M., Haarlem and B.G.S. Two 1sts A.G.S., '34. (Am.) N.E.G.S. and our 1st Ohio, '35. Peterboro Hort. and Ia., '37. E.S.G.S. and 3 Ia. shows, '38. Ohio, '39. L.10(100,8.00)

OEGANDA 98 —† Dec. Black red, almost a solid black color with silky gloss, without markings or blotches. We have bloomed this from L bulbs three years and it is certainly the blackest glad we have yet seen. Florets run 3-4 inches dia., 4-6 open, 10-13 bud, 3-3½ ft. tall, on strong, slender stems. Supply very limited. A.M., R. Hort. S.,

F.C.C., Haarlem, '35. We started the ball rolling in America with a 1st at Ind., '38. Our 1st Mah. (2nd show), '39. Stock limited. L.25 M.15 S.10 Blts (10,.40)

SMOKY, ETC.

BAGDAD 98 *—†† Exh.** Smoky, old rose, darker to edge, throat lighter with a bit of cream, 5-6 ft. tall, straight spikes. Florets 6-7 inches. 5-7 open, loosely spaced, making immense flowerheads. 10th in N.E.G.S. and 11th in C.G.S. symposiums and tops the popular smoky section in C.G.S. Record slate washed for a fresh start—Ames, Cedar Rapids, N.E.G.S. C.G.S., E. Bay, Mich., Pa., sectional champ E.S.G.S., and grand champ at Yakima, all '38. E.S.G.S., Utah, E. Bay, Wisc. and Grand Champion Pa., '39. L.06(100,4.00) Blts (100,.15)

DOROTHY DOW 102 **—†††† Exh. Color is a smooth mixture of old rose and deep orange with a gray overtone. Florets about size and shape as Picardy, stem shorter but several more open with long flowerheads. Good propagator. Sioux City '38. Ohio, '39. L.10 M.06 S.03 Blts (100,.30)

MARMORA 98 **—†††† Exh. Long spike of lavender, gray, pale purple blotch. The world's most famous sport (of Emile Aubrun). Used to win frequently for best smoky, largest floret and most florets open. Still hard to beat. Starting show records anew—Ames, Regina, Ohio, '38. Mich., N.E.G.S., E.S.G.S., Utah, Wisc., '39. L.06(100,4.00) Blts (100,.15)

MOTHER MACHREE 100 **—†††† Exh. Salmon Orange. Silver gray. Sunset colors of high lustre and sheen. Consistent producer of long, straight, stunning spikes. Not much difference in the show records past five years, between Mother Machree, Bagdad and Marmora. Whichever specimen was grown the best usually won. Starting afresh—Cedar Rapids, Sioux City, Mah., Conn., open div. champ E.S.G.S., and our 1sts both Ind. and Ohio, all '38. 7th in N.E.G.S. symposium and there leads its color class. Mich., C.G.S., Winnipeg, Wellsville, E.S.G.S., and section champ at Yakima and Ia., '39. L.06(100,4.00) Blts (100,.15)

VAGABOND PRINCE 97 *—††† Exh. Irrescent, garnet brown, lighter in upper throat, small flame scarlet blotch below. 8-10 open. The color combination is very attractive, as well as unusual. If you like striking, novelty color combinations, we suggest you waste no time acquiring this one. The only "A" rated glad in the "Any Other Color" section, C.G.S. Symposium. Most schedules combine this with "smoky".

We had spikes from small bulbs comparable with those from Peggy Lou (4-5 ft.) A marvelous performer. Ind., E.S.G.S., N.E. G.S., Md., Ames, Sioux City, Mich. and A.M. at E. Bay, all '38. N.E.G.S., Ill. Wellsville, E.S.G.S., Grants Pass, Marion Co. G.S., (Ind.) and section champion Ohio, all '39. Now 5th in N.E.G.S. symposium and 2nd only to Peggy Lou in the Ohio symposium. L.07(100,5.00) M.05(100,3.25) S.03(100,2.00) Blts (100, .30)

WINALL (E. Both) 98 **—†††† Exh. Com. Bluish, medium mauve violet with harmonizing deeper blotch. Tall, exhibition spikes with 8-10 open, 18-20 bud. Very unusual color. Reminiscent of

Marmora but deeper, and likely, better color. Powerful grower, good propagator, does not bloom well from small bulbs but otherwise has good cut flower characteristics. A promising new one. Our 1st Ohio and Mah. (2nd show), '39. L 1.00 M.60 S.30 Blts .08

ZUNI 92 *— ††† Exh. Salmon and slate with some light orange salmon feathering. Will fade slightly if opened in strong sunlight. Ruffled. 10-12 open with good placement. Vigorous grower. Blooms well from smaller sizes, fast propagator and bulblets perform exceptionally well. New. A.M., Md. G.S. Trial Grounds, '37. Grand Champion, Grants Pass, '38. Wisc. and Grants Pass, '39. L.30 M.20 S.10 Blts (100,1.50)

COLLECTION OF PATENTED GLADS

California	Grand Opera	Helen of Troy
June Bride	King of Hearts	Sir Galahad

One each, Large \$15.00 value for \$10.00
One each, Medium, \$9.00 value for \$7.50, Net Prices

LEAD YOUR FRIENDS AND NEIGHBORS
— HOW TO DO IT

Simple as can be. Inexpensive, too. Plant healthy, young bulbs of the large size of varieties currently winning first prizes in the major shows of the world. Soil prepared in the fall with heavy applications of well rotted cow manure and bone meal is excellent. Avoid horse manure in any season. Plant in the sunniest location possible. Shelter from strong winds is desirable. Preferably in a group planting by themselves.

Do not make them compete with other roots of trees, shrubs or weeds. Cultivate often and close, keeping surface loose.

Most of us already know that gladiolus prefer a somewhat acid soil. Silt and sand in the composition of your soil is valuable. Avoid lime unless needed to cure a superacid condition (expressed pH 1 to pH 4). Likewise avoid, more importantly, super alkaline soils (pH 8 to pH 14). Neutral is pH 7, but pH 5 to pH 6 is what you should strive to obtain. Your nearest State Agricultural Experiment Station will test samples (a pound or two) of your soil for acidity rating or will advise you how to do it. A well drained soil will have much to do with your cropping disease free bulbs, particularly if dug after a wet fall.

If a heavy application of cow manure (3 to 6 inches deep) and coarse bone meal (25-30 lbs. to 500 sq. ft.) was applied in the fall and the ground left rough, no more fertilizing need be done the following year.

If fall fertilizing was not done, well rotted cow manure may be worked into the soil before planting. After the trench is dug, if soil is heavy, it will be beneficial to spill an inch of fine sand on the bottom before setting the bulbs. If sand is dry it can easily be spread with a sprinkling can with the rose removed from the spout. After the bulbs are set and one half of the excavated soil is returned over the bulbs to protect them from fertilizer contact, a handful of superphosphate (0-16-0 or 0-20-0) may be spread along about 4 ft. of row. This is in lieu of the fall application of the slower bone meal. If cow manure was not available you may now use, in addition to the superphosphate, 2 handfuls of prepared sheep manure (baked to kill weed seeds) per 4 ft. of row before filling in the upper half of the trench.

Pack the soil a bit (carefully if the bulbs are sprouted) to assist in rapid capillary attraction and speedy growth. If soil is very dry at planting time, drench with water heavily, to penetrate six inches. Thereafter, until time when flower buds can be felt in the stalks, use water very sparingly. Of course, if little or no rains for 15 or 20 day periods drench again and keep the plants well weeded and cultivated.

During the bud to bloom stage is the one time it is desirable to keep the ground definitely on the wet side. Next to impossible in well drained location to get it too wet at this stage. Naturally, if the soil be wet and soft and high winds come, some tall and heavy plants may go over, bulb tilting in the soil and tearing roots, if permitted. We consider it advisable to use some method of staking if the soil is kept extremely wet at this stage. We use some 6 ft. steel stakes, $\frac{3}{16}$ inch diameter and rubber bands. The stakes are inconspicuous and if blooms are cut can be readily moved to other spikes throughout the season.

After the peak of bloom season, if weather becomes extremely hot and there appears any tendency of the stems to soften somewhat, this extra watering may be concluded and very shallow cultivation continued through the balance of the blooming season if you can still get in among the plants to do so.

Whatever general fertilizing method may be used, a "shot in the arm" type may be used on a few or all plants just as the early buds begin to form in the stalks. Use a handful of dried blood meal for about 5 to 10 plants or a handful of ammonium sulphate to about 10 to 15 plants, scratching it in several inches away from the plants. Soak the ground heavily the day before so that the plant will be saturated and in strong growing condition, thus withstanding a shock which might otherwise burn off the rootlets, turn the foliage yellow and stop further growth. This will increase the size of the florets and the length of the spike.

Above formulas are maximum. Many would consider them extreme. We do not remotely approach these extremes ourselves as our aim is a bulb crop and the blooms incidental. But a large number of our customers have used these methods with highly gratifying results.

Particularly in hot weather, spikes which are cut when but one or two florets are open, fill out with more open at a time when bloomed indoors in the light but not sunlight, away from any breeze, making better exhibition spikes and preventing any fading of color such as is sometimes found in some of the finest orange scarlets, as well as preventing wilting of varieties without strong substance. Cut stem slantwise to provide larger drinking area and place in water at once to avoid air pockets in stem. Allow three or four leaves to remain on the plant to mature the new bulb which is hardly half grown when spike is cut. At least six more weeks are needed to mature the bulb, except where blooms are from large bulbs of very late sorts, or where blooms arrive at late season from young planting stock.

DON'TS ON DIGGING

Do not leave part of stem on bulb, cut close and burn the tops.

Do not leave bulbs to dry where frosts can reach.

Do not pile deeply. Quick drying (not in hot sunlight) is extremely important to prevent spread of diseases in storage.

Do not remove roots and old bulb for some weeks unless old bulb is soft or shows decay. Wait until they separate with ease and without tearing the new root base. This waiting period is the most desirable time for sprinkling your bulbs lightly with naphthalene flakes. See paragraph on that subject.

INSECT PESTS AND BULB DISEASES

This subject, fortunately, has again become relatively unimportant to the well informed, who have learned that simple, preventive measures are better than complicated and sometimes ineffective curative measures.

Likely, your bulbs are clean and need none of these treatments, but we are presenting this information for those who may need it.

Inspect your bulbs before planting. If doubtful looking, remove entire husk, though the husk does function to ward off from the planted bulb frost, fungus diseases, grubs and wire worms.

We proceed with our subject under sub titles.

FUSARIUM YELLOWS FUNGUS DISEASE

We discuss this subject because so many buyers of planting stocks (and blooming sizes) order in stocks from different localities, basing their purchases largely on attractive price. When such price has been made possible by neglect of proper field rotation and lack of scientific bulb treatments, such intensive culture often results in your receiving bulbs which develop a core rot as the storage season progresses. If you do not discover this eating away of the bulb tissue where the roots must emerge, if at all, and plant this fungus infected bulb, the stem of the plant will wither, tips of leaves begin to turn yellow and die back. Progressively, the entire plant is affected and eventually dies. Unless this plant and the surrounding soil is removed, the fungus will rapidly spread in the soil. The following year this location will be unsafe either for your or our sound bulbs.

In certain areas of intensive gladiolus cultivation this subject is so serious that, eventually, a mass exodus from the locality may be the only solution. Very fortunately, Ohio growers, as yet, have little or no experience with the disease.

Not so serious are various types of scab and dry rot that only produce localized lesions on the bulb, which can be gouged out, or the organisms that cause these can be starved out by rotation of planting location or the corrosive sublimate treatment.

Unlike these surface lesions, *Fusarium* invades the root system, causes a browning of the core, sometimes with brown strands or streaks of discolored tissue extending from core to leaf bases. Replanting these bulbs to a new site results in further spread of the disease and ultimate rotting of the bulb. Such bulbs should be burned, not planted. If an expensive bulb seems slightly affected and a desperate measure is sought to preserve its life you might try dipping the bulb for a moment in a suspension of calomel or yellow oxide of mercury, formula 1 oz. of either material to 5 pints of water. Drain bulb and plant immediately.

Our bulbs are individually examined for the slightest sign of this disease and are destroyed on merest suspicion, since we feel it is better to be safe than sorry.

BULB SURGERY

A few specks of disease spots, wire worm injury or scab may be gouged out without the slightest harm to the plant provided the bulb retains a good eye and root base. Cutting out these segments only cuts away that much food to start off the new plant. Best dust the cut surface with powdered charcoal. Next best common sulphur or at least dry until bleeding stops before planting.

Or wipe the cut surface dry with some paper towelling and then paint well with melted paraffin.

You may do these things any time during the storage period, too, or just rely on corrosive sublimate treatment to clear them up.

A plump bulb of $1\frac{1}{4}$ inches diameter has plenty food to start production of a show specimen spike. If the bulb is 2 inches or more in diameter it may have two or more prominent eyes or sprouts, indicating that it will make as many stalks and spikes. Now this one bulb cannot be expected to make two or more spikes of the same show specimen quality it would produce if held to a single eye and spike. If you want to bring renewed youth and vigor to your old jumbo bulbs and beat the other fellow, just disbud the bulb, i.e., gouge out all eyes except the most prominent one, just as you gouged out the little specks of scab or disease, dusting as before. We are of opinion that bulbs may be lost by this process only by failure to heal the cut surface sufficiently before planting.

EXAMINE YOUR BULBS

If your bulb is not bright and clean looking, something has gone wrong. It is easy to soak them the night before planting in the simply prepared, inexpensive corrosive sublimate solution, a sort of "cure all" for bulb diseases as well as thrips prevention, and not to do so may easily be disastrous. This treatment is almost universally adopted now by amateurs and growers alike.

Thrips do not winter over outdoors in the Northern states but they are often brought into the storage quarters with the bulbs. If the bulb has irregular areas of russet brown, often confined to one or more areas walled apart at adhesion line of the layers of husk, with the surface somewhat roughened, it is likely some thrips have been feeding on the bulb juices and if the surface is sticky, likely they are still there and alive. If not sticky, likely the temperature has been below 50 degrees long enough to kill the insect but not the eggs. The corrosive sublimate will kill both insect and eggs.

The use of the well known naphthalene treatment a short time after digging kills any of these thrips that may have been brought in promptly and the bulb has a better chance to survive the storage period and remain a bulb still fit to plant.

NAPHTHALENE FLAKES

We highly recommend this simple and economical treatment. If you allow thrips to feed upon your bulbs they will suck the juices, injure the eyes and rootlets and growth will be retarded and inferior flowers produced, even if you eventually kill them off at planting time by some treatment. Avoid crude naphthalene or camphor or para-dichlorobenzene as they may contain creosote or other injurious chemicals. The best time to use it as soon as the roots are considered too dry to suck any naphthalene into the bulb. Maybe a matter of hours or a few days, depending on drying methods. Do not apply to bulbs from which the old bulb has just been removed, as the severed area is moist for a while and the naphthalene might soak into the bulb. It is safe both to the user and to the bulbs, during their **dormant** period of storage, even when an overdose is used, provided the bulbs are fairly well dried. One ounce (4 level tablespoons) sprinkled on each 100 large bulbs or equivalent in bulk of smaller sizes, is sufficient if bulbs are stored in closed bottom container. If screen bottom or in onion sacks, double the amount. Will kill insects promptly and gases will continue for several weeks, killing the larvae as soon as hatched. Allow to remain at least 3 weeks. But note they will not hatch under 50 degrees. Do not completely cover the bulbs as evaporation takes place constantly and to prevent it will make the bulbs first damp, then mouldy, then susceptible to rot and diseases. Applying the flakes in a closed paper bag is safe for a few weeks if bulbs be dry, since some moisture can escape. Avoid wax or oil paper bags since moisture could not escape. If roots and old bulbs are removed several weeks after application, any naphthalene remaining may be removed. If the flakes have not entirely evaporated by the time little root knobs and eye sprouts emerge, showing bulb is no longer dormant, shake out any remaining. Do not use any naphthalene in the trench at planting time since it is safe only to the dormant bulb.

CORROSIVE SUBLIMATE

Also known as mercuric chloride treatment. This produces such wonderful results, with so little effort, with so little cost, that no one, whether he grows a bed of glads four foot square or four acres, should fail to so treat his bulbs. Regardless of where or how the bulbs grew the preceding year. This gives the bulb a coating that wards off various bulb diseases and fungus attacks. We used to keep our bulbs healthy by this process long before we ever heard of thrips. Now, it has been conclusively proved, this treatment also kills any thrips and their eggs, and, if used, you only need keep a watchful eye for thrips infestation from outside sources. Remember soaking processes are only advisable just before planting. This is not a fall treatment. If your bulbs are husked, they need only be soaked half as long, but we do not advise husking unless you know your bulbs are infested badly and you wish to take no chances on penetration to the bulb. Many have inquired if the treatment is safe to use on badly sprouted or rooted bulbs. This will not harm them.

We read an article in a Canadian "quarterly" by someone who called himself "I Dip-pem," who said he had a lot of little batches. To keep them separate he obtained some of the women folks' old stockings, slipped a batch into a toe with wooden label, tied the stocking above the batch and so proceeded until all the batches were conveniently ready to soak, remove and drain.

Note Important Revision of formula by U. S. Dept. Ent. to allow additional time for penetration of stubbornly tight husks.

Dissolve 1 oz. of the powder first in a bit of hot water, then pour into 7 gal. of water, preferably above 60 degrees. Remember, cold water may render the treatment ineffective. This must be poured into a non-metal container, such as a crock, wooden pail, glass or unchipped granite ware. Varieties kept separate in cloth bags. No difference if bulbs are then planted wet or dry, but the sooner the better as much of the coating may be lost if bulbs become dry. Solution weakens with use, so replenish 100% if used again. Soak 12 to 17 hours, preferably night before planting. Be sure bags are fully immersed. Do not use this substance in tablet form unless you learn exactly how much of the tablet, in weight, is actually corrosive sublimate. You want a final solution of about 1-1000. This solution is safe to the hands but is a deadly poison and must be used and disposed of with extreme care.

Our bulbs get the naphthalene treatment a week or two after digging, the Ethylene gassing late January and the unsold bulbs get the corrosive sublimate before planting. Advertising "treated" bulbs means little unless you know the method used and when last used.

TARTAR EMETIC SPRAY

U. S. and several state Entomological Departments have finally abandoned their recommendation of Paris Green (which we never liked), suggesting now the use of Tartar Emetic (antimony and potassium tartrate, U.S.P.), at rate 4 pounds, brown sugar 16 pounds, water 100 gal. (or 2 oz.- $\frac{1}{2}$ lb.-3 gal.). This is undoubtedly an improvement over the old paris green formula.

INSECTICIDES

If thrips appear on your plants they must be controlled before the bud spikes emerge from the foliage. Watch for any silvery gray streaks on the foliage. If permitted to increase unmolested they will extract juices from the buds resulting in a burned appearance, they will eat streaks of color off the petals even before they unfold and if they unfold at all, the petals may crimp up their edges and dry to a dull brown. Even the young, lemon colored thrips may do this damage to the bud so it is important to kill such adult thrips as may arrive before they lay eggs, also because the young have the bad habit of staying inside the bud and crevices of the plant where they are hard to reach with insecticides. The silvery gray (feeding) streaks on the foliage, in badly infested cases, turn brown, stopping both plant and bulb growth.

In our opinion, thrips come more into the open during the hours of 4-6 P.M., so spraying is most effective if done at that time. Also, the less heat the safer for the plants and evaporation is retarded. If plants are thirsty when spray is applied, spraying hazards are increased. Plants should be well watered but the foliage should be dry before the spray is applied. Spraying but one part of the patch only is inadvisable on account of the migratory habits of the insect.

Plainly we want an insecticide that will not burn the plants and that will act as a "double action" insect poison effective on both sucking and leaf eating forms of insects. **Rotenone** in proper concentration, with a spreader that will not deteriorate the ingredients, is both inexpensive and more effective than any other formula that has come to our attention. Above all, we beg our readers not to put off inspecting the plants for thrips infestation until blooms appear. If they already have a good foothold at that time you may have a very discouraging task on your hands.

We recommend **preventive** spraying, using a somewhat lighter concentration than advised for serious infestations. Either about once every 10 days after plants are up 6 or 8 inches until blooming, or else about 4 sprayings about 4 days apart beginning about 20 days before blooming, i.e., about when the bud spikes begin to fatten the stalk. If an infestation is actually present, use full strength concentration. In any event, have your insecticide on hand to use if needed.

ROTOTOX

The Penetrol spray made with Rotenone, containing also Ethylene Dichloride, in fact a full 90% of active ingredients.

We have been investigating the value of the new insecticide called "Rototox" with a view to its substitution for all home-made, assembled formulas, as a complete spray in itself for all general purposes and for gladiolus in particular. The results are almost too amazing to be readily believed. Let doubters try it and be convinced. We have numerous reports that its use has been highly satisfactory. Perhaps you have already seen the article by Dr. Roark, of the Dept. of Agriculture, who considers Rotenone (derived from derris or cube root) one of the most effective insecticides available, being fifteen times as effective as nicotine and thirty times as effective as arsenate of lead.

Rototox, while so deadly to insects, is non-poisonous and perfectly harmless to humans, animals and plants and fruit and vegetables sprayed with Rototox may be eaten with perfect safety within 24 hrs. after spraying. The Rotenone acts as a stomach poison to insects as long as it remains on the plant, in addition to being a contact insecticide. Penetrol (oxidized petroleum hydrocarbon, sulfonated) is a carrier, spreader and activator. It is neither acid nor alkaline nor caustic, so the rotenone is held in perfect suspension, without precipitation or disintegration, thus making no disfiguring sediment to mar or injure the most delicate foliage or petals. Therefore, no need of segregating early and late varieties. It causes the formula to emulsify as readily and completely in cold, hard water as in warm, soft water.

It does not have to be kept agitated and it cannot clog the spray nozzle. These are the reasons why Penetrol is known as the best spreader for carrying the formula into the crevices of the plant, an extremely desirable feature for the control of thrips.

Rototox contains Ethylene dichloride, which has for many years been used by many large growers for gassing their bulbs in storage quarters. This ingredient is valuable because it reaches many insects not contacted and portions of the plant not fully covered by the spray.

At Century of Progress grounds, 1934, there was planted four large plots of beds of gladiolus by about 20 growers. (We participated). Laid end to end there were 6 miles of rows of gladiolus. Rototox was used preventively on all these beds with very satisfactory results.

Rototox has already become popular for greenhouse use and is cheap enough for use on large acreages of gladiolus, dahlias, perennials, evergreens, truck crops, etc.

The Rototox Co. has an excellent 20 page booklet containing much valuable insecticide information for all branches of horticulture. Free on request to them.

We do not stock Rototox. You can get what you need promptly (much quicker than by asking us to relay your order), postage prepaid, from

The Rototox Co.,
81 East Yale St.,
East Williston, N. Y.

Their prepaid prices (no doubt subject to change) are: 1 oz., 35c, 8 oz., \$1.00; 1 pint, \$1.75; 1 quart, \$3.00; ½ gal., \$5.00; 1 gal., \$10.00; 5 gal. \$45.00.

At the strong concentration for bad infestations, 1-200, 1 gal. will make 192 gallons of spray. At suggested preventive concentration, 1-400, 1 gal. will make 384 gallons of spray. (About 5c or 2½c per gal., depending on concentration needed.)

"I wanted to tell you that my asters were in a sad state, the leaves curling up and withering, and I sprayed them 3 times with Rototox mixture the same as I use for glads and they are now good healthy looking plants. Last year my hollyhocks were covered with rust. So this year I started spraying with Rototox when they were very small and each plant is clean and healthy. I am more than pleased with the results." 7-17-'39. Mrs. E. H. S., York Harbor, Me, and Philadelphia, Pa.

"Have been using Rototox now for three years. Found it very good." 4-3-'39. L. S., Miamisburg, Ohio.

"Used Rototox on ten thousand glads and had fine results." 11-2-'39. W. C., Schenectady, N. Y.

"I have used Rototox as a spray for three years and can truthfully recommend it to my friends. Thank you for recommending it to me." 2-20-'39. F. W. S., Cleveland, Ohio.

"I have been using Rototox for some years and it has proven very satisfactory in every way, especially for the control of thrips on Glads. Glad thrips are no longer a menace as I spray my Glads 2 or 3 times and forget about the thrips. I soaked my Glads in Rototox this spring and I note that they came up much quicker than when soaked in bi-chloride and seem to be much healthier looking." 6-27-'39. E. S. H., Lisbon, Ohio.

"Used Rototox on about 1500 glads, 400 dahlias and 2000 asters once a week at 1-800. Perfect results on the glads and almost the same on the other plants, controlling thrips, grasshoppers, aster beetles and leaf hoppers alike." 11-10-'37. H. E. C., Oronoque, Conn.

"I have been fighting thrips and other insects on my roses for years. I have secured better control with ROTOTOX than with a dozen other insecticides. I spray 1-200 twice, 24 hours, apart. No more thrips until more are blown in. This may be 3 days or as many weeks.

"I have no objection to your quoting me. You have a product that is very good. I would be glad for others to receive the benefit from it." 11-23-'37. Mr. Clapp, State of Texas Park Board.

"Used Rototox on 1200 gladiolus. Obtained 100% control." 9-6-'37. J. E., Hammond, Ind.

"I used ROTOTOX on about 10,000 gladiolus as a means of getting rid of thrips. It proves very successful in this. In fact, I will consider it the equal if not the superior of any other treatment we have ever used for that purpose. Found it effective also against silver fish and cock roaches, also as a fly and mosquito killer. I have taken occasion to recommend Rototox through my newspaper syndicate and have recommended it perhaps a dozen times before various garden clubs where I have lectured. Will use as dip when bulbs are dug." 9-29-'37. (Dr.) Floyd Bralliar, Dean Nashville Agricultural Normal Institute.

Madison, College, Tenn.

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See remarks overside re Extras

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SHALL WE SUBSTITUTE? If cannot supply kind ordered, shall we send another of equal or superior quality, subject to your approval? We are so careful and liberal when making substitution that we have yet to receive the first complaint! Answer is particularly desirable if order comes in late season.

Your answer.....

Remarks:.....

GLADIOLUS SOCIETIES

There are now upwards of forty state and regional societies in the U. S. and eight provincial or regional societies affiliated with the Canadian Gladiolus Society. Several each in Australia and New Zealand. National societies in England, Holland, Belgium and Germany. Upon request we will assist you to contact your nearest society. All have Prize Schedules and Annual Exhibitions. You may make checks, drafts or Postal Money Orders payable to any society below mentioned, amounts as indicated and we will transmit same to the secretary of the society selected.

In the U. S. the New England Gladiolus Society is the outstanding society with respect to publications. "Regular" membership, \$1., entitles you to the 250 page Annual. "Supplement" membership, \$2., entitles you further to the three 40 page supplements published April, July and October. "Affiliate membership, at \$2.15, entitles you not only to the Annual and the 3 Supplements, but also to full membership and any one of the following affiliate societies: **Conn., East Bay (Calif.), Ill., Ind., Md., Mid-South (Tenn. and surrounding), Minn., Ohio State, Pa., Wellsville (Ohio), Winnipeg (Man.), Wisc., Blue Ridge (Md.), Calgary (Alta.), Iowa, Utah and Yakima Valley (Wash).** Via the **Metro (N. Y. City)** we understand it is \$3. to amateur and \$6 to grower members. We advise this \$2.15 affiliate State to N.E.G.S. type of membership for all residents of the areas mentioned. The '40 Annual will contain interesting articles on hybridizing, growing seed and bulblets, fertilizers, etc. A new affiliate is **W. Va. G.S.**

The Canadian Gladiolus Society publishes an Annual of about 200 pages. This society conducts a Symposium and Rating of about 600 of the foremost gladiolus varieties of today, classifying them into 21 color groups, rating them skillfully within their respective color groups. This feature alone is sufficient to make their publication outstandingly valuable. Affiliated societies are **Province of Quebec, Hamilton (Ont.), Regina (Sask.), Winnipeg (Man.), Calgary (Alta.), Saskatoon (Sask.), Edmonton (Alta.) and Truro (N. S.).** **Calgary, Quebec and Winnipeg** publish Annuals.

New England Gladiolus Society, \$1. (Annual). Albin K. Parker, Sec'y., Norwood, Mass. "Supplement" membership (annual and supplements), \$2. "Affiliate" membership, (annual, supplements and the state publications), \$2.15, should be paid to the sec'y of the affiliate society.

Canadian Gladiolus Society, \$2. (Annual.) Mrs. J. A. Carleton, Sec'y., 166 Willow Rd., Guelph, Ontario, Canada. Write to Mrs. Carleton for information concerning their affiliated societies.

British Gladiolus Society, Grower membership, 10/6 or \$2.63; Amateur membership, 5/- or \$1.25. (Annual). A. E. Blake Amos, Sec'y., 109 Lexden Straight Rd., Colchester, Essex, England.

Ohio State Gladiolus Society, \$1. (Occasional Bulletins). R. P. Kelley, Sec'y., 207 Buckeye Bldg., Akron, Ohio.

Indiana Gladiolus Society, \$1. (Quarterly Bulletin). John L. Coomler, Sec'y., 5943 Rawls St., Indianapolis, Ind.

Iowa Gladiolus Society, \$1. (Monthly Bulletin). This membership may be direct or through affiliation with either the Sioux City, Ames, Cedar Rapids or Algona Gladiolus Societies, without additional cost. Address Iowa Glad. Soc., Secretary's Office, State House, Des Moines, Ia.

Michigan Gladiolus Society, \$1. (Quarterly Bulletin). Betty Wentworth, Sec'y, Beckley Rd., Battle Creek, Mich.

FREE BULBS

Here is how. This offer is only to secure new members, not renewals and cuts your membership fee in half, as you will readily see.

To all customers sending in Retail orders of not less than \$5. If you will also transmit to us your check or money order made out to any of the above societies, in the full amount for one year new membership fee, we will transmit same to such society and you may add to your order bulbs of your own selection from our catalog (at list prices, no further discounts) to the amount of one half of such membership fee.

Illustration: Indiana customer sends in \$5. or larger retail order and selects the \$2.15 combination Ind. G.S.—N.E.G.S. membership. He encloses to us his \$2.15 made payable to the Ind. society. He selects and adds to his order \$1.08 worth (list prices) of bulbs, without charge. We do the rest.

FREE MEMBERSHIPS

To all customers, including foreign, whose purchases at Retail total \$25 or more, provided such customer is not already a member, we will give a paid-up one year membership in the Canadian Gladiolus Society, the New England Gladiolus Society or any other membership or combination membership above described that will not cost us more than \$2.15.

This page is not a gesture. It has been costing us in the neighborhood of \$200.00 in cash and bulbs for many years.



Scene at the Evans Farm.
Cutting Spikes of Magna Blanca for the Ohio Show.

